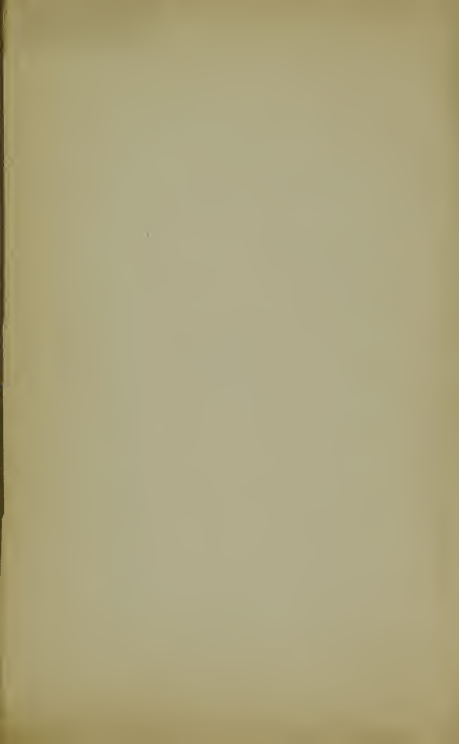


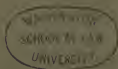
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WASHINGTON
SCHOOL OF LAW
UNIVERSITY





A CATALOGUE
of the
OFFICERS AND STUDENTS
OF
WASHINGTON UNIVERSITY.
FOR THE
ACADEMIC YEAR
1869-70



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Miss INEZ E. BORDEN, <i>Assistant Teacher in Primary School.</i>	1016 N. 17th street.

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	RESIDENCE.
HON. SAMUEL TREAT, A.M.,	1114 Pine street.
ALBERT TODD, A.M.,	Park av., w. Lafayette Park.
HON. SAMUEL REBER, A.M.,	2206 Olive street.
HON. JOHN M. KRUM,	1107 Washington avenue.
ALEXANDER MARTIN, A.M.,	Southern Hotel.
GEORGE A. MADILL, A.M.,	
HENRY HITCHCOCK, A.M.,	1507 Lucas Place.

MARY INSTITUTE.

	RESIDENCE.
Miss FLORENCE FOSTER, <i>Instructor in Latin and Natural Sciences.</i>	1621 Olive street.
Miss HENRIETTA SAWYER, <i>Principal of Preparatory Department.</i>	2839 Olive street.
Miss MARGARET S. WALLACE, <i>Principal of Primary Department.</i>	2926 Laclede av.
Miss FLORENCE K. HOLDEN, <i>Instructor in Mathematics.</i>	315 N. 11th street.
Miss SARAH E. COLE, <i>Instructor in Natural Sciences and German.</i>	614 Beaumont st.
Miss ELIZABETH A. PENNELL, <i>Teacher of English Branches and Assistant Teacher of Drawing.</i>	1600 Pine street.
Miss MARY E. MACK, <i>Teacher of Natural Philosophy, and other English Branches.</i>	Webster Groves.
Miss ROSELLA C. JONES, <i>Teacher of English Branches.</i>	617 Locust street.
Miss HANNAH E. ANNIS, <i>Teacher of Penmanship.</i>	1110 Chambers st.
Mrs. ELLA O. BROWN, <i>Acting Assistant Teacher of Drawing.</i>	Laclede Hotel.
MADAME ERTAUD, <i>Teacher of French.</i>	Carondelet, 3d sta.
Ms. AMANDA LANGLOIS, <i>Assistant Teacher of French.</i>	Carondelet, 3d sta.
Mrs. K. M. O'BRIEN, <i>Teacher of Gymnastics.</i>	1366 La Salle st.

GENERAL STATEMENT.

WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University, and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this act, forthwith to institute an inquiry into

the charge or charges that may be preferred, in respect thereof, by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the said second section of this act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter: and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible: and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purpose to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian Institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Scientific Department was organized at that time. The Collegiate Department was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law Department was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities of education, apparatus, library, buildings, etc., must also be supplied. At the same time, the

rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes, a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those offered in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principles on which endowments are invited, the fifth, sixth, and seventh articles of the Constitution are here inserted :

“ARTICLE V.

“Endowment of Professorships.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

“ARTICLE VI.

“Endowment of Departments.

“Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

"ARTICLE VII.

" Specific Funds.

" All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained: provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

Washington University has the advantage of not being encumbered with the *dormitory system*, which has been proved by experiment to be both expensive and troublesome. Students will continue to live with their parents and guardians, or, if they come from a distance, will board in private families, under such arrangements as they may make for themselves, or as may be made by their parents or guardians. A general supervision will of course be exercised by the Faculty, when desired by the parents, over those who do not reside in St. Louis, and pains taken to direct them to suitable boarding houses; but no dormitory buildings will be erected. A great part of the disturbances so common in Collegiate Institutions, and most of the temptations to which young men in College are exposed, arise from their monastic mode of life, and the consequent removal from the social influence of home. It is far better for the young to remain under the parental roof as long as practicable, and if away from home, to become inmates of a family where something like home influences can be enjoyed.

I.--Academic Department.

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GEORGE B. STONE, A.M.,

PRINCIPAL OF THE ACADEMIC DEPARTMENT.

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ASSISTANT PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

BENJAMIN F. TWEED, A.M.

CALVIN M. WOODWARD, A.M.

GEOFFROI GOEPP, B.D.

GEORGE E. JACKSON, A.M.

CALVIN C. BAYLEY, A.M.

EDWIN F. BAYLEY, A.B.

JOHN H. JENKS.

JOHN T. PRINCE.

A. THOMAS BUCHANAN, A.B.

JAMES S. STEVENSON.

WARREN T. HILLMAN.

CHARLES M. LITTON, A.B.

J. W. PATTISON.

WALDEMAR MALMÈNE.

MISS CLARA W. LEIGH.

MISS INEZ E. BORDEN.

STUDENTS.

ADVANCED CLASS.

NAMES.	RESIDENCES.
Aderton, James Venable.	2651 Olive.
Bowman, Edward Monroe.	Alton, Ill.
Chouteau, Azby Augustus.	1118 Olive.
D'Ench, Fred. Ernest.	1201 St. Ange avenue.
Ewing, Fred. Berthold.	1112 Olive.
Goodson, John Edward.	Carondelet, Mo.
Kennett, Alfred Quinton.	1522 Washington avenue.
Kercheval, Robert H.	1401 O'Fallon.
Lemoine, Ashton.	1422 Washington avenue.
Oliphant, Robert Henry.	711 Locust.
Schuyler, William Ridg.	2820 Locust.
Scott, Warwick.	St. Louis Township.
Stevens, George Lincoln.	1228 Washington avenue.
Wickham, Edmund Fanning.	1712 Lucas.
- Total, 14.	

FIRST CLASS.

NAMES.	RESIDENCES.
Allen, Bradford.	1414 Lucas place.
Allen, Charles Claflin.	1426 Papin.
Conzelman, Wm. Eliot.	2124 Clark avenue.
Coste, Paul Felix.	1536 Papin.
Durkee, Charles E.	2803 Locust.
Engler, Edmund Arthur.	1515 Jackson.
Fox, Williams, Carlton.	1516 Olive.
Glasgow, Allen Cuthbert.	3015 Sheridan avenue.
Glasgow, Frank Adams.	3015 Sheridan avenue.
Hodgman, Geo. Wade.	719 Garrison avenue.
Hunter, James Pinkerton.	818 Beaumont.
Kribben, Bertram Delafield.	932 Hickory.
Perrine, Upton.	409 Washington avenue.
Price, William Barton.	804 Olive.

NAMES.

Richards, Charles Sheafe,
 Robinson, Anselm Clark,
 Shapleigh, Aug. Frederick,
 Thompson, Frank Pierce,

RESIDENCES.

2734 Clark avenue.
 801 Tayon avenue.
 1229 Washington avenue.
 2333 Olive.

Total. 18.

SECOND CLASS.

NAMES.

Baer, Charles.
 Bienenstok, Siegfried.
 Bischoff, Julius G. D.,
 Bonner, Samuel West.
 Brotherton, William Scott,
 Burlingham, Albert Starr,
 Cavender, John Howard,
 Coleman, Robert James,
 Cunningham, James Thomas,
 Dorsett, Walter Blackburn,
 Eisenhardt, Otto,
 Espenschied, Fred. Frank,
 Garriott, Edward.
 Grant, William Henry,
 Howland, William Conclin,
 Jackson, Andrew Milton,
 Ludlow, Francis Maury, Jr.,
 Mack, Fred. Augustus,
 McAllister, Andrew Faris,
 Parsons, Charles Levi,
 Richardson, James, Jr.,
 Robinson, Clarence McDonald,
 Sumner, Alonzo,
 Tansey, Robert Park,

RESIDENCES.

1914 Carondelet avenue.
 1602 Wash.
 1842 Fulton.
 2828 Olive.
 1507 Olive.
 1800 Olive.
 1107 Dillon.
 St. Louis Township.
 Park avenue, near Mississippi.
 Bridgeton.
 1016 South Eighth.
 813 Hempstead.
 Kirkwood.
 1105 Chestnut.
 2231 Clark avenue.
 1926 Wash. [nock.
 Cor. Compton av. & Rappahan-
 1800 Carondelet avenue.
 1217 St. Ange avenue.
 Kirkwood.
 2827 Locust.
 801 Tayon avenue.
 1802 Wash.
 2622 Locust.

Total, 24.

THIRD CLASS.

NAMES.

Amb, August,
 Aull, Robert, Jr.,

RESIDENCES.

16 South Seventeenth.
 1520 Lucas place.

NAMES.	RESIDENCES.
Baker, James Beall,	1208 Washington avenue.
Barnett. Absie Joseph.	2405 Chestnut.
Berry, John Marshall.	Fairview, Mo.
Boeckeler, Wm. Lassen.	1119 Paul.
Bryan, Martin Simpson.	Bethalto, Ill.
Drake, Lewis Horace,	Bridgeton.
Duke. Henry Buford.	2327 Olive.
Duncan, James Franklin.	2825 Pine.
Eames, Wm. Sylvester,	1224 Washington avenue.
Eisenstadt, Morris,	810 North Eleventh.
Eisenstadt, Samuel.	810 North Eleventh.
Farrar, William Christy,	2733 Chestnut.
Field, William Edward.	St. Louis Township.
Filley, Robert Eldridge.	1527 Lucas place.
Gildehaus, Charles,	Cor. Nineteenth and Gratiot.
Goode, George,	Elleardsville.
Gore, Stephen A.,	1108 Olive.
Hynson, Joseph Henderson, Jr.,	Alexandria, La.
Isaacs, Mark.	1124 Locust.
Lauck, Pierre Ham.	1306 Chestnut.
Leigh, George Leonard.	Grand avenue and Cozzens.
McBurney, Henry Crangle,	1226 Madison.
Mead, James Jennings.	Jennings' Station. N. M. R. R.
Meister, Hermann.	Merrimac st.
Meister, Otto.	Merrimac st.
Merriman, Wm. L.,	St. Louis Township.
Morse, Charles Morgan,	Kirkwood.
Moulton, Sylvanus Thayer.	2614 North Ninth.
Nulsen, Anton Joseph.	1012 Chouteau avenue.
Overstolz, Ferd. George,	12 North Fourteenth
Page, Powhatan Randolph.	20 South Sixteenth.
Smyth, Wm. Gore.	1313 Pine.
Strode, Garrard,	207 South Fifteenth.
Todd, Eliot,	Twenty-seventh and Morgan.
Turner, James Lucas,	1706 Lucas place.
Zisemann, Ernst,	1511 Marion.

Total, 38.

FOURTH CLASS—DIVISION A.

NAMES.	RESIDENCES.
Bayles, Lewis Macon.	309 North Seventh.
Bayly, Russell.	Brotherton, Mo.
Block, Augustus Walter.	205 South Fifteenth.
Block, George M.	Clarksville, Mo.
Bowman, Wm. Holliday.	Kirkwood, Mo.
Burgoyne, Wm. Leslie,	800 Chestnut.
Chauvenet, William Marc.	2703 Lucas avenue.
Collins, Monroe Robalaitle, Jr.,	1210 Washington avenue.
Cooke, William.	Wellington, Wis.
Cunningham, Henry Davis.	Park avenue, near Mississippi.
Defriez, Harry.	1624 Pine.
Farrar, John Royal.	1316 Washington avenue.
Gibson, Victor.	Lafayette and McNair avenues.
Gore, Charles.	1108 Olive.
Gregg, Norris Bradford.	2631 Pine.
Hamill, Joseph Hackney.	Park avenue, near Mississippi.
Hargadine, Atreus J.	1416 Washington avenue.
Hitchcock, Henry, Jr.	1507 Lucas place.
Isaacs, Benjamin.	1124 Locust.
Kohlund, Athens S.,	619 Soulard.
Lathrop, Wm. A. H.	1522 Olive.
Leffingwell, Charles Hunt.	Kirkwood.
Lockwood, Richard R.	2731 Chestnut.
Lockwood, James Yeatman,	2731 Chestnut.
Mack, Charles S.	Webster Grove.
McFarland, James,	Ridge Prairie, Ill.
McClellan, Henry Sharp,	1225 St. Charles.
Metcalfe, Albert B.	921 Salisbury.
Owen, George Washington,	Brotherton, Mo.
Peck, William Wisenfelce.	614 Locust.
Peck, George W.,	2728 Olive.
Pegram, George H.,	1110 Dillon.
Reed, Charles Warren.	1703 Olive.
Reed, George Paige,	1219 Pine.
Sears, Hiram J.,	Carondelet.
Senden, Julius Hermann.	1833 Carr.
Shapleigh, John Blasdel,	1229 Washington avenue.

NAMES.	RESIDENCES
Shelton, Frank G.,	1221 Washington avenue.
Stinde, Wm. Hermann.	Garrison avenue and Locust.
Thompson, George.	2333 Olive.
Wickham, Wm. Fanning.	1712 Lucas place.
Total, 41.	

FOURTH CLASS—DIVISION B.

NAMES.	RESIDENCES.
Adams, Chas. Fremont.	1603 Washington avenue.
Ballentine, William, Jr.,	803 Garrison avenue.
Benz, Charles.	Washington University.
Bowman, Charles Fox.	Kirkwood, Mo.
Carr, Wm. Chiles.	2735 Chestnut.
Duke, James Clay,	2327 Olive.
Eisenmeyer, Conrad.	Summerfield, Ill.
Epstein, Meyer.	2610 Pine.
Farrar, Charles Thruston.	2733 Chestnut.
Hill, William S.,	St. Louis Township.
Kimbrough, Frank P.,	2730 Morgan.
Kunsmiller, Charles F, Jr.,	818 North Eleventh.
Lockwood, Archie Robinson.	2731 Chestnut.
Marten, Ed. Robert,	St. Charles, Mo.
McCune, Charles.	St. Louis Township.
McLaughlin, Fred. Rodney,	Barnum's Hotel.
McNeil, Robert Paul,	1806 Carr.
McPherson, Henry Atchison.	1028 South Thirteenth.
McPherson, Page.	McClure avenue.
Newkirk, William Walter.	East St. Louis.
O'Fallon, Henry Taylor.	Bellefontaine road.
Rutherford, John.	2808 Locust.
Stinde, Ed. Francis.	Garrison avenue and Locust.
Suss, Alexander, Jr.,	626 South Fifth.
Taylor, Bernard Pratte.	Pendleton, Mo.
Thornburgh, Robert Denny,	1424 Papin.
Trott, Charles,	1246 Collins.
Walton, Peter,	Cuba, Mo.
Total, 28.	

SCIENTIFIC AND COMMERCIAL DEPARTMENT.

PREPARATORY SCIENTIFIC CLASS.

NAMES.

RESIDENCES.

Abeles, Robert,	1515 South Thirteenth.
Bürger, Wm. A. Gustave,	1218 North Seventh.
Coffman, Jesse McIlvaine,	Avon, Ste. Genevieve Co., Mo.
Cronenbold, Benj. Franklin,	Grand avenue and Chippewa.
Filley, John Dwight,	419 North Sixth.
Forster, Conrad Aug.,	805 South Sixth.
Hatch, Thomas Varnon,	St. Louis Township.
Hoeber, Adolph,	1121 St. Ange avenue.
Hotchkiss, Frank,	St. Louis Township.
Lovington, Adolphus,	East St. Louis.
Münch, Hugo,	Dutzow. Warren Co., Mo.
Reed, Francis Platt,	1703 Olive.
Taussig, Hubert,	1110 Choteau avenue.
Whitmore, William D.,	2803 Pine.
Yeatman, Nathaniel Pope,	Bellefontaine road & Grand av.
	Total, 15.

COMMERCIAL CLASS.

NAMES.

RESIDENCES.

Colman, Chalmer Dwight,	St. Louis Township.
Creveling, Henry Clay,	1425 Lucas Place.
Forster, Bryan,	2316 Walnut.
Hartnett, George William,	3018 Locust.
Heinicke, Adolph Gustave,	St. Louis Township.
Hirschberg, Francis Devance,	1308 Olive.
Hodges, Beverly C.,	Carrollton, Ill.
Hunicke, Ernest R.,	1016 Winter.
Johnston, Aug. Menefee,	Chillicothe. Mo.
Kalbfleisch, Henry Jr.,	1913 Jackson.
Langé, G. F. Christian,	2019 "
Lowry, Albert,	1230 Washington avenue.
McCune, Harvey T.,	St. Louis Township.
Mortimer, Andrew Wesley,	2652 Washington avenue.
Plant, Alfred Henry,	3008 Lucas avenue.

NAMES.	RESIDENCES.
Postel, George,	Mascoutah, Ill.
Raith, Edwin Julius.	1026 Orchard.
Robyn, Peter Paul,	1618 Clark avenue.
	Total, 18.

PREPARATORY AND PRIMARY DEPARTMENT.

FIRST PREPARATORY.

NAMES.	RESIDENCES.
Ames, Henry,	1512 Lucas Place.
Anderson, Alfred Reubin,	1115 Chestnut,
Bryan, Francis T., Jr.,	1405 Pine.
Bryan, John H.,	" [Grand.
Buskett, William C.,	Laclede ave., bet. Labaume and
Cabot, Dexter Wales,	1206 Washington ave.
Carr, Nathaniel Paschall.	2735 Chestnut.
Carter, James S.,	St. Louis Township.
Chartrand, George,	East St. Louis.
Cole, Theodore,	1015 North Fifth.
Day, Laurence W.,	618 Locust.
Ferie, Fred.	1904 Franklin avenue.
Filley, Christopher G.,	1527 Lucas Place,
Gambs, Ernest F.,	1216 North Eighteenth.
Harvey, Robert Howard.	1604 Pine.
Hill, Edward M.,	15 South Sixth.
Hirschberg, Louis,	1308 Olive.
Kaime, Edward Francis,	Near Grand avenue.
Krome, Charles.	Collinsville, Ill.
Markham, George Dickson.	1526 Olive.
McCreery, Wm. Hynes.	922 Olive.
McKee, Charles,	Gamble street and Eliot ave.
McNeil, Gordon Charles.	1806 Carr.
Miller, Willis L. W.,	2729 Chestnut.
Monell, Joseph,	319 North Seventh.
Paul, Adolphe Lewis.	827 Chouteau avenue.
Penney, Charles Greenlee,	2010 Olive.

NAMES.	RESIDENCES.
Rubey, William U.,	St. Louis Township.
Schnaider, Joseph,	2041 Chouteau avenue.
Scolly, Harry,	910 North Eighteenth.
Shapleigh, Richard W.,	1229 Washington avenue.
Shepley, John F.,	1518 " "
Stinde, George,	3032 Lucas avenue.
Switzer, Robert J.,	1725 Washington avenue.
Taylor, Porter Clay,	Pendleton, Mo.
Tilden, Charles,	911 Olive.
Turner, William H.,	2204 Clark avenue.
Waters, Frank Alexander,	1603 Chestnut.
Willis, Arthur Douglass,	403 North Eighth.
Wiseman, Oliver,	1304 Chestnut.
	Total, 40.

SECOND PREPARATORY.

NAMES.	RESIDENCES.
Aull, Wilson	1520 Lucas Place.
Bain, Robert E. M.,	1013 Dillon.
Baker, John L.,	1208 Washington avenue.
Berlin, Frank,	514 North Second.
Berlin, Chas. Clifford,	" " "
Campbell, Hazlett K.,	1508 Lucas Place.
Campbell, James A.,	" " "
Carson, James O.,	2821 Locust.
Cooper, Astley D.,	Pilot Knob, Mo.
Duncan, Colin C.,	2825 Pine.
Easter, Harry,	705 North Seventeenth.
Easter, Fred,	" " "
Filley, William Joseph,	1527 Lucas Place.
Filley, Augustus,	1614 Olive.
Fox, Edward B.,	1516 Olive.
Freligh, Louis H.,	1436 North Francis.
Jackson, Edward F.,	McClure avenue, near Grand.
Kennett, Dixon H.,	619 Locust.
Lowry, Clarence G.,	1230 Washington avenue.

NAMES.	RESIDENCES.
Morse, Oliver S.,	1102 Chambers.
Peck, John,	614 Locust.
Schofield, William,	2618 Washington avenue.
Scott, Wm. Poston,	3018 Lucas avenue.
Shepley, George F.,	1518 Washington avenue.
Strode, Frederick Bates,	207 South Fifteenth.
Turner, Henry,	1706 Lucas Place.
Warne, George,	Near Grand avenue.
Whitmore, Fred. M.,	2803 Pine.
Willis, Chas. Frederic.	1621 Washington avenue.
Wilson, Charles J. S.,	Everett House, Fourth street.
Wülfig, Max.	1919 Gratiot.
	Total, 31.

PRIMARY CLASS.

Anderson, Chas. T.,	1105 Chestnut.
Arms, Charles V.,	1529 Christy.
Baker, Jesse G.,	1208 Washington avenue.
Barrett, James S.,	1426 Lucas Place.
Bell, William Herbert,	1513 Clark avenue.
Benoist, Louis,	Pine, between 21st and 22d.
Benoist, Theodore,	Pine, between 21st and 22d.
Brown, Gratz,	Sheridan avenue.
Cabot, Arthur W.,	1206 Washington street.
Capen, Sam. Davis,	1520 Olive.
Cavender, James S.,	1107 Dillon.
Cline, Geo. Washington,	840 South Eighth.
Cobb, Addison Mott.,	1520 Pine.
Colman, Frank,	St. Louis Township.
Duncan, Willie B.,	2825 Pine.
Farrar, Benjamin,	2733 Chestnut.
Field, Charles,	St. Louis Township.
Filley, Victor,	1527 Lucas Place.
Fox, Monroe Livingston,	1516 Olive.
Gregg, William H.,	2631 Pine.
Hartmann, Wm. A. C.,	3108 Morgan.

NAME.	RESIDENCES.
Harvey, John H..	609 North Twelfth.
Helmuth, William.	1418 Washington avenue.
Hicks, Victor Lucas,	1010 Olive.
Jackson, George R..	1500 Pine.
Jacobs, Michaelis Eisenstadt.	810 North Eleventh.
Kaime, George James,	Grand avenue, near Morgan.
Kaime, Benjamin.	Grand avenue.
Kennett, Percy F..	1318 Washington avenue.
Kennett, Houser,	1318 " "
Leigh, Herbert,	Grand avenue and Cozzens.
Lockwood, Chas. A..	2731 Chestnut.
Malmene, Waldemar.	20 North Tenth.
McKittrick, Adam McM..	1628 Pine.
McLaran, Percy B..	1628 Lucas Place.
McLaran, Robert Lee,	1628 " "
McNeil, William,	1806 Carr.
Owen, John C.,	Brotherton.
Penney, William,	2010 Olive.
Perkins, Nathan W., Jr..	1503 Chestnut.
Schmidt, Louis, Jr.,	410 Washington avenue.
Shapleigh, Alfred Lee,	1229 Washington avenue.
Waterman, Alfred,	St. Louis Township.
Waterman, J. Kingsbury,	" " "
Whitelaw, Chas. W.,	1517 Clark avenue.
Wright, William W.,	St. Louis Township.
Wyman, Arthur,	913 Pine.
	Total, 47.

ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided*, they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence,

whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises, should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to active business life, or to the Collegiate and Scientific Departments of the University.



ACADEMIC COURSE OF STUDY.

FOURTH CLASS.

Mathematics.—Felter's Arithmetic, and Stoddard's Intellectual Arithmetic.

Geography.—Warren's Common School.

History.—Anderson's.

English Grammar.—Kerl's Common School Grammar.

Latin.—Harkness's Introductory Latin Book.

Reading, Writing and Spelling; Composition.

THIRD CLASS.

FIRST TERM.

Mathematics.—Felter's Arithmetic; Stoddard's Intellectual Arithmetic.

Latin.—Harkness's Introductory Latin Book.

English Grammar.—Parsing and Analysis.

Reading, Writing, and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Felter's Arithmetic.

History.—Anderson's History of the United States.

Latin.—Harkness's Latin Reader.

Reading, Writing, and Spelling; Composition and Declamation.

SECOND CLASS.

FIRST TERM.

Geography.—Warren's Physical Geography.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Felter's Arithmetic.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

FIRST CLASS.

FIRST TERM.

Physiology.—Hitchcock's.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book; Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Otto's German Grammar.

Compositions and Declamation.

SECOND TERM.

Mathematics.—Greenleaf's Algebra.

Latin.—Æneid of Virgil.

Greek.—Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Adler's Reader.

Compositions and Declamation.

ADVANCED CLASS.

FIRST TERM.

Latin.—Æneid and Bucolics of Virgil.

Greek.—Felton's Greek Reader; Greek Composition.

Mathematics.—Greenleaf's Algebra.

German.—Maria Stuart.

Compositions and Declamation.

SECOND TERM.

Latin.—Cicero's Orations; Latin Prose Composition.

Greek.—Anabasis; Greek Prose Composition.

Mathematics.—Legendre's Geometry, three books; Bourdon's Algebra.

German.—William Tell.

Compositions and Declamation.

PREPARATORY SCIENTIFIC CLASS.

FIRST TERM.

Latin.—Æneid and Bucolics of Virgil.

Mathematics.—Geometry and Algebra.

Natural Philosophy.—Wells'.

French.—Bocher's Otto's French Grammar.

German.—Otto's Grammar; Adler's Reader.

Drawing.

SECOND TERM.

Latin.—Cicero's Orations.

Mathematics.—Algebra and Geometry.

Natural Philosophy.—Wells'.

French and German.—Otto's French and German Grammars; Hermann and Dorothea.

Mechanical Drawing.

COMMERCIAL CLASS.

Students joining the Commercial Class, pursue only the English studies of the preceding course, together with Book-Keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academic Department.

GYMNASIUM.

A Gymnasium. erected on the grounds of the University, is open to the students of all the Departments.

EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

TUITION.

Primary Class, per term of 20 weeks.....	\$25 00
Preparatory " " "	30 00
Fourth " " "	35 00
Third " " "	37 05
Second " " "	40 00
First " " "	42 50
Advanced " " "	45 00
Commercial " " "	50 00
Preparatory Scientific, per term of 20 weeks.....	50 00

These rates are for the current year only.

No extra charges of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand: otherwise ten per cent. will be added to the bill.

II.—Collegiate Department.

FACULTY.

———, *Chancellor.*

ABRAM LITTON, M.D.

TRUMAN M. POST, D.D.

CALVIN S. PENNELL, A.M.

SYLVESTER WATERHOUSE, A.M.

GEORGE B. STONE, A.M.

BENJAMIN F. TWEED, A.M.

CALVIN M. WOODWARD, A.M.

GEOFFROI GOEPP, B.D.

GEORGE W. MINNS, A.M.

GEORGE E. JACKSON, A.M.

STUDENTS.

SENIOR CLASS.

NAMES.	RESIDENCES.
Bond, Thomas Leonidas,	19 Center street.
Evers, Edward,	Sixteenth and North Market.
Francis, David Rowland,	Stanford, Ky.
Goldsmith, David,	623 Walnut.
Taussig, George Washington,	1110 Chouteau avenue.
Teuteberg, Louis William,	12th, bet. Spring & Montgomery.
Wislizenus, Fred. Augustus,	500 South Fifth,
	Total, 7.

JUNIOR CLASS.

NAMES.	RESIDENCES.
Allen, Arthur William.	1426 Papin.
Belcher, George Wilson,	1316 Pine.
Chauvenet, Samuel Hemple,	2703 Lucas avenue.
Hough, John William,	933 North Seventh.
Lemoine, John Etave,	1422 Washington avenue.
Thielè, Henry William,	306 Emily.
Tilden, Thomas,	911 Olive.
	Total, 7.

SOPHOMORE CLASS.

NAMES.	RESIDENCES.
Breaker, George Howe,	1416 Rosatti.
Evers, Henry,	W. 16th and North Market.
Gay, Edward James, Jr.,	Plaquemine, La.
Jewett, Eliot Conway,	2918 Morgan.
Metcalfe, Lyne Shackelford,	921 Salisbury.
Nisbet, John Lemoine,	1502 Washington avenue.
Patrick, William Francis,	1618 Washington avenue.
Post, Martin Hayward,	3031 Lucas avenue.
Rychlicki, Casimir Aug.,	St. Louis Township.
Scheel, Adolph Max.,	Belleville, Ill.
	Total, 10.

FRESHMAN CLASS.

NAMES.	RESIDENCES.
Bryan, William J.,	1419 Dodier.
Cabot, Harry Hyde,	1206 Washington avenue.
Chauvenet, Louis,	2703 Lucas avenue.
Cline, Fred. Addison,	840 South Eighth.
Farrar, Luther Kennett.	1316 Washington avenue.
Gostorf, George W.,	1433 Carondelet avenue.
Switzer, Charles McLaran,	1725 Washington avenue.
Tandy, Robert Castleman,	823 Olive.
	Total, 8.

PARTIAL STUDENTS.

NAMES.	RESIDENCES.
Billings, Henry Olney,	Alton, Illinois.
Frank, Nathan,	Cor. Jefferson Av. & Keokuk St.
Greeley, Charles B.,	1535 Lucas Place.
Peebles, Edward E.,	Oakland, Pacific R. R.
Shackelford, Joel W.,	Richmond, Ky.
Yeatman, Nathaniel Pope.	Bellefontaine road & Grand Av.
	Total, 6.

ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books:

LATIN.

Cæsar's Commentaries; the Bucolics, and the Æneid of Virgil, to Book VII.; Cicero's Select Orations, Folsom's or Johnson's edition; Andrew's and Stoddard's Grammar, including prosody; Writing Latin.

GREEK.

Colton's or Felton's Reader; Crosby's Grammar, including prosody; Writing Greek with the accents.

MATHEMATICS.

Walton's Arithmetic; Greenleaf's Algebra.

GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Outlines of Universal History.

NOTE.—Instead of the prescribed text books, equivalents will be accepted.

TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the Collegiate Department will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of the Summer Term in June, and at the commencement of the Fall Term in September; but persons may be examined for an advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academic Department of the University must produce, before examination, proper testimonials of a good moral character: and, if from another college, a certificate of dismission in good standing.

COLLEGIATE COURSE OF STUDY.

FRESHMAN CLASS.

FIRST TERM.

Latin.—Lincoln's *Livy*; Zumpt's *Syntax*; Exercises in writing Latin; Written translations from Latin into English.

Greek.—Felton's *Greek Historians* (Herodotus); Exercises in writing Greek; Crosby's *Grammar*.

Mathematics.—Elements of plane and solid Geometry.

History.—Smith's *History of Rome*.

English Literature.—Themes and Declamation; Fowler's English Grammar.

French.—French Grammar.

SECOND TERM.

Latin.—Horace; Roman Antiquities; Exercises in writing Latin; English translations.

Greek.—Panegyricus of Isocrates; Homer's Odyssey; Exercises in writing Greek.

Mathematics.—Higher Algebra.

History.—Smith's Rome, finished.

English Literature.—Themes and Declamation; Fowler's English Grammar.

French.—Télémaque.

German.—Schiller's Maria Stuart.

SOPHOMORE CLASS.

FIRST TERM.

Latin.—Cicero; Tusculan Disputations; Exercises in writing Latin; English translations.

Greek.—Demosthenes de Corona; Exercises in writing Greek.

Mathematics.—Chauvenet's Trigonometry.

History.—Smith's History of Greece; Student's Hume.

English Literature.—Themes and Declamation.

French.—Histoire de Charles XII.; Translation; Grammar.

German.—Grammar; Wieland.

SECOND TERM.

Latin.—Juvenal; Terence; Exercises in writing Latin; English translations.

Greek.—Alcestis of Euripides; Prometheus of Æschylus; Exercises in writing Greek.

Mathematics.—Surveying and Navigation; Analytical Geometry commenced.

History.—Student's Hume, finished.

English Literature.—Themes and Declamation.

Rhetoric.—Whateley's.

French.—Grammar; Fables de LaFontaine; Composition.

German.—Goethe's Egmont.

JUNIOR CLASS.

FIRST TERM.

Latin.—Tacitus; Quintilian; Exercises in writing Latin.

Greek.—Thucydides; Antigone of Sophocles.

Mathematics.—Analytical Geometry.

Physics.—Silliman's, commenced.

History.—Student's History of France.

Rhetoric.—Whateley's Rhetoric.

English Literature.—Themes and Declamation.

French.—Bossuet.

German.—Goethe's Iphigenia auf Tauris.

SECOND TERM.

Mathematics.—Differential and Integral Calculus.

Physics.—Silliman's, continued.

Philosophy.—Thomson's Logic.

English Literature.—Guizot's History of Civilization; Themes and Declamation.

French.—La Bruyère; Molière.

German.—Lessing.

SENIOR CLASS.

FIRST TERM.

Mechanics.—Statics; Dynamics.

Physics.—Silliman's finished.

Philosophy.—Hamilton's Lectures on Metaphysics.

Political Economy.—Walker.

English Literature.—Elements of Criticism; Themes and Declamation.

German.—Goethe's Faust.

SECOND TERM.

Astronomy.—White's Elements.

Chemistry.—Fowne's Chemistry, with Lectures.

Philosophy.—Jouffroy's Introduction to Ethics; Evidences of Natural and Revealed Religion.

English Literature.—Elements of Criticism; Themes and Declamation.

French.—Alfred de Musset.

Lectures on *History, Zoology, Botany, Comparative Anatomy, Physiology, Mineralogy and Geology.*

GRADUATES.

Ample provision has been made for Graduates who may wish to pursue a Post Collegiate Course. They will prosecute their studies under separate Professors, and be subject to all the rules and regulations of the University. The tuition fee will be the same as in the Scientific Department.

LECTURES.

Lectures will be delivered in Chemistry, Natural Philosophy, History, English Language and Literature, Ancient Languages and Literature, Comparative Philology, Natural History, Geology, Botany, Comparative Anatomy, Outlines of Constitutional and Commercial Law, Astronomy (with use of Observatory), and other topics, according to the capacity of students for receiving benefit from this mode of instruction.

LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has recently been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

STUDENTS' LITERARY SOCIETY.

The "IRVING UNION" is a voluntary association of the students, for the purpose of mutual improvement by debates and other exercises. It is under the immediate patronage of the Faculty. It has commenced the formation of a library for the special use of its members.

GYMNASIUM.

The students have the free use of the Gymnasium at all hours, when not engaged in study or recitation.

SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academic or Collegiate Department. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

Eight free scholarships (founded by the unconditional donation of \$8,000) have been placed at the disposal of the O'Fallon Polytechnic Institute.

One *perpetual* scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preferences shall be given to one from some mechanical pursuit."

DEGREES.

The degree of Bachelor of Arts will be granted to those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

VACATIONS.

There will be a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the Institution.

TUITION.

The tuition in this Department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term.

III.—Scientific Department.

FACULTY.

———, *Chancellor.*

ABRAM LITTON, M.D.

CALVIN M. WOODWARD, A.M.

GEORGE W. MINNS, A.M.

CHARLES A. SMITH, C.E.

TRUMAN M. POST, D.D.

GEORGE B. STONE, A.M.

BENJAMIN F. TWEED, A.M.

GEOFFROI GOEPP, A.B.

J. W. PATTISON, *Teacher of Drawing.*

STUDENTS.

SENIOR CLASS.

NAMES.	RESIDENCES.
Caldwell, Thomas J..	Evans, bt. Grand av. & Francis st.
Jones, Eugene B..	Washington, Mo.
	Total 2.

MIDDLE CLASS.

Abadie, Emile Rector,	2739 Morgan street.
Kircher, William F..	Belleville, Ill.
Ritter, Rudolph, Jr..	Warrenton, Mo.
Wilson, Elliott Hinckley.	Highland, Ill.
	Total 4.

FRESHMAN CLASS.

Allen, Thomas, Jr..	1414 Lucas Place.
Delano, Rufus Judah,	413 North Eighth street.
D'Oench, Albert Fred.,	1201 St. Ange avenue.
Douglass, Henry W..	7 South Sixteenth street.
Lockwood, George R..	2731 Chestnut street.
Maffitt, Chas. C..	605 Olive street.
	Total 6.

ADMISSION.

Candidates for the Freshmen Scientific Class must have received a good common English education, and they must exhibit, especially, a thorough acquaintance with Arithmetic, Algebra (including Higher Algebra,) Geometry, and the elements of Natural Philosophy. The regular time of admission is at the beginning of the Fall term. Students not qualified to enter this department will join the Preparatory Scientific Class in the Academic Department (see page 24,) as that class at present takes the place of a Fourth Scientific Class. Applicants for the Freshman Scientific Class should be sixteen years of age.

SCIENTIFIC COURSE OF STUDY.

The regular course of study in this Department extends through three years, which may be regarded as corresponding with the Sophomore, Junior, and Senior, Classes respectively in the Collegiate Department. The studies of the Freshman Class are all prescribed, but those of the Middle and Senior Classes are in part optional, depending on the scientific taste of the student. The distribution of studies at present is as follows:

I. CIVIL AND MECHANICAL ENGINEERING.

FRESHMAN CLASS.

Mathematics.—Plane and Spherical Trigonometry; Angular Analysis; Analytical Geometry.

Surveying.—Chain, Compass and Transit Surveying; Adjustment and Use of Instruments in the Field.

Descriptive Geometry.—Orthographic and Spherical Projections; Shades and Shadows.

Mechanical Drawing.—Graphical Solutions of Problems; Construction of Plates; Plotting Surveys.

Free-hand Drawing.—Landscape; Machinery, etc.

Physics.—Pneumatics; Acoustics; Optics; Heat; Electricity; Magnetism.

French, German, Latin, History, Rhetoric,—Elective.

MIDDLE CLASS.

Mathematics.—Analytical Geometry; Differential and Integral Calculus; Analytical Mechanics.

Descriptive Geometry.—Perspective, Isometric Projections; Applications to Masonry, Carpentry and Machinery.

Engineering.—Levelling and Topographical Surveys in the Field; Survey and Location of Roads and Railways; Measurement and Computation of Earthwork and Masonry.

Drawing.—Machines; Profiles; Plans; Topographical Maps; Brush Shading.

Mechanics.—Statics; Dynamics; Strength of Materials; Friction; Levers; Pulleys; Cinematics.

Chemistry.—Theoretical and Practical.

French, German, Latin, History, Rhetoric.—Elective.

SENIOR CLASS.

Engineering.—Structures of Wood, Stone, and Iron; Frames, Trusses, Girders, Arches, Roofs, Bridges, Foundations, Columns, etc.; Examination of Engineering works in the Field.

Applied Mechanics.—Stability of Structure; Stress; Strength and Elasticity of Materials; Steam Engines; Water-wheels and Turbines; Hydrostatics and Hydrodynamics.

Drawing.—Arches, Domes, Elevations, Plans, Locomotives, Bridges, Stationary Engines, etc.

Descriptive Astronomy.

Practical Astronomy.—Uses of Astronomical Instruments; Determination of Time, Latitude and Longitude.

II. COURSE IN CHEMISTRY.

FRESHMAN CLASS.

The studies for the Freshman year are the same generally as in the Course of Engineering.

MIDDLE AND SENIOR CLASSES.

Daily instruction in the Laboratory, including—

Qualitative and Quantitative Analysis;

Pharmaceutical Preparations for the Laboratory and Apothecary, and the Methods of determining the value of Drugs;

Mineral Assays, Metallurgy, Analysis of Soils and Ashes, Examination of Poisons, Use and Value of Manures;

The application of Chemistry to the Arts and Manufactures.

III. COURSE IN ASTRONOMY.

FIRST AND SECOND YEAR.

The studies of the first and second years are essentially the same as in the Course of Engineering.

THIRD YEAR.

Spherical and Practical Astronomy, including the manipulations of the Equatorial Telescope, Transit, Zenith Telescope, and other Astronomical Instruments in the Observatory; Analytical Mechanics; Theoretical Astronomy.

Botany and Natural History.—An extensive Herbarium has already been prepared, an access to a large and valuable Museum of Natural History will be allowed to students.

Comparative Anatomy and Physiology.—The Lecture Room and Anatomical Museum of the St. Louis Medical College will be used for the present.

The members of these classes may also continue the study of the German and French Languages with such of the Collegiate or Academic Classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

DEGREES.

A satisfactory examination in the *regular* course in this Department, as above described, alone entitles the student to the degree of Bachelor of Science. Partial students, however, will be received in any of the courses, by special arrangement with the several Professors, and a certificate of proficiency in a partial course will be given when merited.

LECTURES AND LIBRARY.

The students in the Scientific School have free admission to all Lectures given in the Collegiate Department, and in the O'Fallon Polytechnic Institute.

TUITION.

Tuition is the same as in the Collegiate Department. Laboratory fee, \$75 per term. Students in Chemistry, however, will supply themselves, at their own expense, with such articles of apparatus as are consumed in using, such as flasks, corks, tubing, lamps, crucibles, etc., together with alcohol and platinum, and gold and silver solutions.

IV.—O'Fallon Polytechnic Institute.

This Department of the University is organized for the purpose of special and general instruction in applied science and the useful arts.

In its early action it established free evening schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities through its evening schools, to all worthy applicants in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the Common School System. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct out-growth of the O'Fallon Polytechnic Institute.

During the year 1865, a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught, free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school; and when free admission to the college classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American Public School system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a Department of the University, has a two-fold organization; the higher or more advanced studies being taught in the University buildings, corner of Washington Avenue and Seventeenth street, and the more elemental at the Polytechnic Building, corner of Chestnut and Seventh streets.

The University Instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and arrangements are now in progress for the erection of suitable buildings (the ground having already been purchased) for its permanent use. The preparatory instruction is under the immediate supervision and control of the Board of Public Schools of St. Louis.

The TUITION FEES, for instruction at the University, are the same as in the scientific department.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic Schools, established for the purpose; and may secure for himself library and advanced educational facilities in one or the other division of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a perma-

nent contract, given to the common schools, higher elevation and more enlarged usefulness, and to the University itself, a closer connection with the educational needs of the times. The title of the Polytechnic Building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof, are still included and provided for within the existing organization; and thus they have obtained, at once, what otherwise might have been postponed for an indefinite period, through lack of means.

The AMES LIBRARY remains as before, except that by its connection with the Public School Library, it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end; a name which, with that of O'Fallon, will ever be associated with Education in America, in every department thereof, from the common schools to the higher walks of University culture.

BOARD OF DIRECTORS.

CHARLES A. POPE,	EDWARD BROOKS,
SAMUEL TREAT,	ROBERT E. CARR,
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JOSHUA CHIEVER.	N. SCHIAEFFER,
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FACULTY.

, *Chancellor.*

ABRAM LITTON, M.D.
 CALVIN M. WOODWARD, A.M.
 GEORGE W. MINNS, A.M.
 CHARLES A. SMITH, C.E.
 TRUMAN M. POST, D.D.
 GEORGE B. STONE, A.M.
 BENJAMIN F. TWEED, A.M.
 GEOFFROI GOEPP, A.B.
 J. W. PATTISON, *Teacher of Drawing.*

EVENING SCHOOL AT THE POLYTECHNIC
BUILDING.

TEACHERS.

REGIS CHAUVENET.
 ASA G. ABBOTT.
 SAMUEL G. FENBY,
 ALBERT H. MILLET.

STUDENTS.

Alewell, Henry	Duffy, James W.
Ambs, August	Dunlap, John
Archenhold, Sigmund	Engelking, F. W.
Assmann, H. R.	Farley, James
Bates, Chas. F.	Ferguson, C. W.
Bauer, Adam	Fischer, George
Bennett, Thos. H.	Fischer, Charles
Berg, George	Fitzgerald, Francis J.
Black, Albert	Frederic, John P.
Blackie, Walter H.	Freefield, William
Blaise, Paul	Freudenstein, John
Borton, J. H.	Funston, William
Britt, Wm. J.	Furnam, Jos. B.
Brockstedt, Henry M.	Gillesheimer, Nicholas
Bruns, Louis	Glazer, Adolph.
Buechel, Edw. C.	Gmeiner, John C.
Buettner, Louis	Godron, Eugene
Bush, August H.	Goetz, Charles
Byrnes, J. W.	Goetz, Chas. P.
Caffall, Reuben H.	Greene, Frank S.
Cantwell, Thomas	Hahn, Simon
Carreras, Henry W.	Hamilton, Frank
Cavanaugh, F. J.	Harbart, Valentine
Charles, D. Q.	Hawkins, Edw. L.
Charles, Jos. S.	Heuer, Albert
Crecelius, Louis	Hickman, L. J.
Cunningham, Edw. J.	Hogan, Wm. H.
Daffert, Jacob	Hunt, Frederic
Daniels, James	Hyatt, Alfred P.
Dassler, Edw.	Ingram, Jos. H.
Dauernheim, Henry	Johnson, Amos H.
Dellit, Fred. A.	Johnson, Chas. W.
Dement, Richard B.	Karges, William
Diestelkamp, C. H.	Kasehagen, Leo.

Kennedy, Jas. G.	Pfeiffer, Adolph.
Kenny, James	Phillips, Ingham W.
Kielsmeier, Henry	Prange, Frank H.
King, Michael	Rabold, Julius
King, Moses	Rasin, J. M.
Kirgin, Geo. W.	Rauch, Geo. L.
Kletzker, Albert J.	Raymond, Harvey G.
Kosmahl, H.	Reitz, Adam
Krieser, J. M.	Riddle, A. J.
Kuhn, Henry K.	Roeder, John B.
Lamkey, Frank L.	Rose, Charles
Lelaurin, F. A.	Ryan, Edw. J.
Levy, Hannibal	Schroback, Theodore
Lockhart, Benj. F.	Schnitgee, William
Love, J. N.	Schwalb, Karl
Lowry, Frank C.	Schollay, James, jr.
Lyons, Patrick	Seely, Wm. A.
Mark, Henry J.	Shaetzel, George
Mathews, E. B.	Shallert, J. J.
Mathias, Jos. A.	Sheehy, Charles
Matthay, Chas. H.	Shieber, Joseph
Maupin, Alexander	Skey, Frank
McInnis, John	Spalding, Rufus P.
Menassus, Moritz	Steinback, F. J.
Miller, Edw. B.	Strasmer, John
Mitchell, John	Streect, James
Moeller, Chas. B.	Sullivan, James
Moeser, Louis	Taylor, John
Moore, Geo. R.	Valette, Thos. B.
Mueller, William	Wachter, August
Myers, Lewis	Wager, T. B.
Noel, Alexander	Wahlert, Morris E.
Nold, John W.	Walsh, Edward
Nordmann, William	Weaver, Chas. A.
O'Connell, Patrick	Welford, Seth
Olsen, Jens P.	White, Irvine
Patrick, W. W.	Wilson, J. M.
Peat, Chas. J.	Zorn, Charles

Total. 144.

The course of study in the Evening School includes the following subjects :—Higher Arithmetic, Algebra, Geometry, English Grammar, Physics, Line Drawing, Chemistry, and Descriptive Geometry. These have actually been taught, and others are contemplated, whenever any sufficient number of pupils desire them.

The term has been fixed by the Board at five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday, and Friday evenings. The school is open to all persons engaged in some useful employment during the day time, who could pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

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(1824)

V.—Law Department.

FACULTY.

Hon. SAMUEL TREAT, U.S. District Judge. East. Dist. of Mo.

ALEXANDER MARTIN, Assistant Professor.

International, Constitutional, Admiralty and Maritime Law; Jurisdiction,
Practice and Proceedings in U. S. Court.

ALBERT TODD.

GEORGE A. MADILL, Assistant Professor.

Law of Real Property

Hon. SAMUEL REBER, Late Judge St. Louis Circuit Court.
History and Science of Law; Equity, and Law of Successions.

Hon. JOHN M. KRUM, Late Judge St. Louis Circuit Court.
Pleading, Practice, Evidence, and Criminal Jurisprudence.

HENRY HITCHCOCK, *Dean of the Faculty.*

Law of Contracts; Commercial Law.

ADVISORY AND EXAMINING BOARD.

PRESIDENT—Hon. SAMUEL F. MILLER, Justice of U. S.
Supreme Court.

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Hon. JAS. R. LACKLAND, Late Judge St. Louis Cir. Court.

JAMES O. BROADHEAD, Esq.

JOHN R. SHEPLEY, Esq.

SAMUEL T. GLOVER, Esq.

C. C. WHITTELSEY, Esq.

STUDENTS.

SENIOR CLASS.—1869-70.

NAMES.	FROM.	RESIDENCES.
Bayley, Edwin F..	Waupun, Wis..	1122 Olive st.
Bayley, Gustavus V..	St. Louis, Mo..	1504 Morgan st.
Beach, Lewis B.	" "	1504 Belmont st. 1 sts.
Dryden, Nathaniel C..	Warrénton. Mo..	California & Miami
McCarty, Edward P..	St. Louis, Mo..	521 Myrtle st.
Marsh, William T.,	Warsaw. Ky.	5th and Spruce sts.
Meysenburg, Otto W..	St. Louis, Mo..	2213 Eugenia st.
Norton, Richard H.,	Troy, Mo.,	800 Locust st.
Paxson, Alfred A..	St. Louis, Mo..	1916 Morgan st.
Richmond, Wm. T..	Hannibal, Mo..	Olive and 13th sts.
		Total, 10.

JUNIOR CLASS.

NAMES.	FROM.	RESIDENCES.
Ball, William C..	Terre Haute. Ind..	111 N. 12th st.
Barkeloo, Lemma.	Brooklyn, N. Y..	821 Pine st.
Bayley, Calvin C..	Waupun, Wis..	1428 Poplar st.
Bond, Joshua S.,	St. Louis, Mo..	1806 Olive st.
Couzens, Phoebe W..	" "	816 N. 11th st.
De Menil, Alex. N..	" "	2d Carondelet ave.
Dooley, Silas W..	Washington, D.C..	1704 Chesnut st.
Espy, Emmett.	St. Louis, Mo..	814 N. 11th st.
Hamilton, Oscar B..	Otterville. Ills..	619 Market st.
Hart, Henry C., jr..	St. Louis, Mo..	2727 Locust st. [10th
Herthel, William W..	" "	Amelia av., bet. 9th &
Hogg, Harry C..	Bloomington, Ills.,	1102 Olive st.
Houston, William T.,	St. Louis, Mo..	1127 Chesnut st.
Martin, Foster	" "	410 Myrtle st.
Mills, Frank H.,	" "	1103 Chesnut st.
Ryan, F. K.,	" "	830 S. 8th st.

NAMES.	FROM.	RESIDENCES.
Sheppard, David W.,	C. Girardeau, Mo.,	122 Olive st.
Smith, Willard A.,	Rockford, Ills.,	2726 Olive street,
Soldan, Louis	St. Louis, Mo.,	
Solomon, Henry C.,	Atchison, Kansas.	2008 Clark ave.
Woods, Neander M.,	Fort Smith, Ark.	2130 Clark ave.
		Total, 21.

The Law Department of the University was formally opened on Wednesday, October 16th, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It is believed that the city of St. Louis affords opportunities equal to those of any other city in the Union, for combining practical instruction and theoretic study of the law. In the Courts of none do causes more varied or more important come to be heard than those, civil and criminal, which grow out of the affairs of its large and busy population, its wide-spread trade, its extensive tributary navigation and the vast interests connected therewith, and its peculiar land-titles, involving questions alike of foreign and common law, and special statutory jurisdiction; nor were any questions of constitutional, international or admiralty law, growing out of the late rebellion, more novel or important than some which were adjudicated in its tribunals, and many of which may yet come before them. Nine months in the year are in almost constant session, besides the ordinary municipal and lower courts, the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides those at Common Law and in Equity—the State Circuit and Criminal Courts, and the Supreme (or highest appellate) Court of Missouri, embracing every department of jurisprudence.

All the members of the Law Faculty have long been, and now are, engaged on the Bench or at the Bar, in the daily study and application of legal principles. Such instructors, it is believed, are most likely to possess that fresh and familiar acquaintance with the art as well as science of Law, in the latest phases of legal thought and judicial inquiry, so needful to those who

would prepare for "the occasion sudden, the practice dangerous," of a living and ever growing profession.

The Faculty proper will have the direct aid and cordial co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will from time to time deliver lectures and hold examinations on special subjects; and only upon a certificate of proficiency from said Board will degrees be conferred.

The full course embraces the subjects above indicated, with appropriate illustrations from the civil and foreign law, and is designed to prepare the student for active professional life. It will occupy two years, one term of six months in each year, commencing on the second Wednesday in October, and excluding the Christmas holidays.

The degree of Bachelor of Laws will be conferred by Washington University upon those who, having attended the full course (two terms), or entering on examination at an advanced stage, and completing the course, shall, on final examination by the Board, receive their certificate of proficiency. Candidates for degrees must announce themselves as such to the Dean, at least three months before the close of the term, and must deposit with him, for filing and preservation, at least one month before such close, an original thesis upon some legal topic, selected by the writer and approved by the Faculty. The degree of LLB., conferred as above, it is understood, will enable the holder, producing the required evidence as to moral character, to obtain a license to practice in the United States and State Courts of Missouri. It must be clearly understood that no one will receive such degree except upon proof of actual proficiency and reasonable fitness to enter upon the grave responsibilities of professional life; nor will it be granted to any person under twenty-one years of age.

Thorough instruction will be given by lectures—oral and written—recitations and examinations, under the several professors, preference being given to that mode of instruction which combines a careful study of the best treatises with familiar practical illustrations of the principles which they expound. Ample accommodations have been provided in the Polytechnic building, corner of Seventh and Chestnut streets. A carefully

selected law library, including the latest editions of the best text books, and several copies of those most needed for reference, has been placed, for the use of the students, free of charge, in the Ames Library of said Institute.

Arrangements have been made by which the text books used can be purchased by the students of the Law School at a reduction from the usual prices.

COURSE OF STUDY.

The following text books will be used by the Junior Class during the next term (1870-71):

Blackstone's Commentaries (Sharswood), Books I., II., III.; Kent's Commentaries (selections); Wheaton's International Law; Conkling's Treatise (Jur. and Pr. U. S. Courts); Parson's Shipping and Admiralty; Story's Equity Jurisprudence; Washburn on Real Property, vol. I.; Stephens on Pleading; Greenleaf on Evidence; Metcalf on Contracts; Parson's Mercantile Law: besides such works as may be used for reference.

Applicants for admission to the Senior Class of 1870-71 will be required to pass a satisfactory examination on the foregoing or equivalent works, before the beginning of the term, and should make application in person during the first week of October to the Dean of the Faculty.

The Senior Class will use the following:

Story on the Constitution; Parson's Marine Insurance; Conkling's Admiralty; Story's Equity Pleadings; Kent's Commentaries (selections); Washburn on Real Property; Chitty's Pleading, vol. I.; Greenleaf on Evidence; Tidd's Practice (Troubat's edition—selections); Bishop's Criminal Law; Story on Sales; Edwards on Bills and Notes; Story on Bailments: besides such other works as may be recommended for reference.

Moot Courts for practice in the conduct and trial of causes are regularly held, and opinions and discussions, oral and written, upon legal questions, will be required of the students during the course. Practical instruction will be given in drafting contracts, wills and conveyances, and in examination of titles.

Applicants for admission to the first or Junior Class (regular course) must be at least nineteen years of age, of good moral character and standing, and have received a good English education.

Applicants for admission at an advanced stage must pass a satisfactory examination upon the studies previously pursued by the class they desire to enter. No student will be admitted in either class after the first week in January; nor will any deduction be made from the regular term fee.

The regular tuition fee for each term will be \$60. payable in advance to S. A. RANLETT, Treasurer of Washington University, at the Provident Savings Institution, 513 Olive street.

Besides the accommodations for boarding, usual in cities, it is believed that with many families in the city and suburbs, conveniently accessible by street cars, young men of good habits can obtain board and lodging at \$6 per week and upwards.

While the primary object of this Department is to prepare young men for active professional duties, it is proper to state, in view of repeated inquiries, that persons desiring, for purposes either of business or general culture, to pursue special subjects embraced in the course, as in case of Executors, Trustees, Officers of Corporations, Underwriters, Merchants, etc., etc., may, by special arrangement with the proper Professors, attend lectures on those topics alone.

VI.—Mary Institute.

FOUNDED MAY 11. 1859.

Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot, given for the purpose, in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be only such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the Collegiate and Scientific Departments of the University.

BOARD OF MANAGERS.

WM. G. ELIOT,
HUDSON E. BRIDGE
JOHN R. SHEPLEY.

HENRY HITCHCOCK,
GEORGE PARTRIDGE,
CARLOS S. GREELEY.

FACULTY.

—————, *Chancellor.*

CALVIN S. PENNELL, A.M., *Principal.*

BENJAMIN F. TWEED, A.M.

Miss FLORENCE FOSTER.

Miss HENRIETTA SAWYER.

Miss MARGARET S. WALLACE.

Miss FLORENCE K. HOLDEN.

Miss SARAH E. COLE.

Miss ELIZABETH A. PENNELL.

Miss MARY E. MACK.

Miss ROSELLA C. JONES.

Miss HANNAH E. ANNIS.

Mrs. ELLA O. BROWN.

MADAME ERTAUD.

Middle. AMANDA LANGLOIS.

Mrs. KATE JONES BRAINARD.

Mrs. K. M. O'BRIEN.

Mr. J. W. PATTISON,

STUDENTS.

FIRST ACADEMIC CLASS.

NAMES.	RESIDENCES.
Brooks, Lillie L..	1216 Pine street.
*Cheever, Hattie L..	1111 Washington avenue.
Davis, Nellie,	616 Locust street.
Desloge, Sophie,	Benton Place.
Durkee, Julia,	2803 Locust street,
Filley, Frances A..	1614 Olive street.
Hanenkamp, Lucy D.,	911 Garrison avenue.
Mudd, Sarah Elizabeth.	Kirkwood, Mo.
Paddleford, Jeannie.	Carondelet.
*Wilson. Alice J..	1705 Olive street.
Total 10.	

SECOND ACADEMIC CLASS.

NAMES.	RESIDENCES.
Beekham, Carrie.	1414 Papin street.
Britton, Fannie R..	1213 Chouteau avenue.
Kid, Ellen Lyell,	1630 Pine street.
Litton, Alice W.,	2220 Eugenia street.
Manny, Mary J.,	1222 Olive street.
McLaran, Anna M.,	1628 Lucas Place.
Mead, Mary S.,	Jenning's Station.
Mills, Carrie,	1103 Chestnut street.
Monks, Ella D.,	1404 Pine street.
Parson, Julia E.,	Kirkwood, Mo.
Pennell, Maria F.,	1600 Pine street.
Porter, Lizzie S.,	1133 Washington avenue.
Runyan, Nannie A.,	2725 Chestnut street.
Shackelford, Fannie,	1506 Washington avenue.
Tilden, Caroline A.,	911 Olive street.
Todd, Mary H.,	2710 Morgan street.
Total 16	

*Partial.

THIRD ACADEMIC CLASS.

NAMES.	RESIDENCES.
Blaine, Mary,	2641 Olive street.
Brother, Sidney.	1302 Washington avenue.
Crow, Isabelle,	305 North Eighth street.
Desloge, Clara,	Benton Place.
Kempland, Sarah E.,	4006 Bellefontaine road.
Lewis, Julia,	3014 Morgan street.
McCreery, Lavinia H.,	922 Olive street.
Miller, Dora B.,	First Station Carondelet.
Mills, Maggie,	1103 Chestnut street.
Peter, Lulu E.,	2225 Decatur street.
Peck, Rebecca A.,	614 Locust street.
Plant, Catherine E.,	3008 Lucas avenue.
Ricords, Mattie E.,	1213 Pine street.
Rychlicki, Mary J.,	King's Highway.
Tirrell, Florence R.,	1529 Papin street.
Whedon, Katie,	1121 Washington avenue.
Quigley, Jennie.	Carondelet.
	Total 17.

FOURTH ACADEMIC CLASS.

NAMES.	RESIDENCES.
Balmer, Bertha,	1548 Papin street.
Floyd, Annette.	2737 Wash street.
Hopkins, Fannie F.,	1014 North Nineteenth street.
Johnson, Emilie D.,	921 Pine street.
Markham, Mary J.,	1526 Olive street.
Menkens, Cecilia E.,	1213 Hebert street.
Pallen, Belle B.,	2725 Olive street.
Simon, Lizzie H.,	917 Locust street.
Thamer, Eugenia F.,	1709 Salisbury street.
Thamer, Frances D.,	1709 Salisbury street.
Turton, Madeline,	1120 Twenty-first street.
Woesten, Louisa H.,	Grand av. and County street.
Woodburn, Ida M.,	3024 Bell street.
	Total 13.

FIFTH ACADEMIC CLASS.

NAMES.	RESIDENCES.
Ballenger, Emma S.,	1612 Pine street.
Bridge, Mary,	Kirkwood.
Broadhead, Minnie W.,	Lafayette, av.
Bust, Mary V.,	Vandeventer av.
Carson, Nannie G.,	2821 Locust street.
Crane, Nettie F.,	Glasgow and Dayton streets.
Davis, Mary E.,	Davis, bet. 13th and 14th th sts.
Evers, Louise,	N. Market and 16th streets.
Farrar, Minnie S.,	1316 Washington av.
Garrison, Emma L.,	Easton and Grand av's.
Hopkins, Lulu H.,	1014 N. Nineteenth street.
Hull, Clara B.,	County street, near Grand av.
Kasson, Emma C.,	1623 Lucas Place.
Kellogg, Louise,	1233 Washington av.
Maffitt, Julia,	605 Olive street. [strong.
Maurice, Fannie M.,	Park av., bet Missouri and Arm-
McCreery, Mary,	922 Olive street.
McLaran, Fannie E.,	1628 Lucas Place.
Murphy, Blanche,	3415 Washington av.
Ranlett, Margie H.,	2670 Washington av.
Shepley, Julia,	1518 Washington av.
Switzer, Alice,	1725 Washington av.
	Total, ¹ / ₂ 22.

FIRST PREPARATORY CLASS.

NAMES.	RESIDENCES.
Balmer, Theresa,	1548 Papin street.
Horton, Carrie B.,	Lindell ave., beyond Grand.
Kennett, Violet,	619 Locust street.
Kid, Lily R.,	1630 Pine street.
Lionberger, Maggie C.,	1601 Olive street.
Morton, Susie J.,	Compton Hill.
Pulsifer, Nellie E.,	Kennett Place.
Ranlett, Mary E.,	2670 Washington avenue.
Shackelford, Genevieve,	1506 Washington av.

NAMES.	RESIDENCES.
Smith, Emma E..	2806 North Tenth street.
Stephenson, Alice V..	Baker, bet. Grand and Spring.
Triplett, Mary W..	1631 Chestnut street.
Turner, Nannie T..	1706 Lucas Place.
	Total. 13.

SECOND PREPARATORY CLASS.

NAMES.	RESIDENCES.
Atkinson, Mary H..	1631 Chestnut street.
Blaine, Sallie C..	2641 Olive street.
Block, Lucretia M..	1600 Pine street.
Brooks, Josie C..	1216 Pine street.
Chouteau, Bertha G..	1118 Olive street.
Farrar, Agnes K..	1316 Washington avenue.
Glasgow, Sarah L.,	3015 Sheridan avenue.
Jennings, Clara Gano,	1513 Chestnut street.
Johnson, Estella E..	1120 Locust street.
Lowry, May E..	1703 Washington avenue.
Maffitt, Nancy,	605 Olive street.
Miller, Lulu M..	Carondelet, first station.
Pettes, Nellie G..	1112 Locust street.
Powell, Lennie J..	1021 N. Nineteenth street.
Sparr, Amy B..	1520 Morgan street.
Stillwell, Sallie H..	1610 Clark avenue.
Taylor, Ida R.,	1804 Lucas Place.
Turner, Lattie R..	1706 Lucas Place.
	Total, 18.



THIRD PREPARATORY CLASS.

NAMES.	RESIDENCES.
Alleyne, Arabella D.,	1903 Carr street.
Baker, Jessie,	1314 Washington avenue.
Bienenstok, Rachel,	1602 Wash street.
Benkendorf, Julia,	402 S. Fourteenth street.
Downs, Julia S.,	206 S. Sixteenth street.

NAMES.	RESIDENCES.
Downs, Lizzie T.,	206 S. Sixteenth street.
Garrison, Lizzie M.,	816 Garrison avenue. [ard.
Garrison, Maggie A.,	Easton av., bt. Grand and Leon-
Glover, Mildred B.,	2904 Gamble street.
Hargadine, Julia W.,	1416 Washington avenue.
Jackson, Anna M.,	1500 Pine street.
Lackland, Mary S.	1623 Lucas Place. [Beaum.
Libby, Cora,	Washington ave., bet. Jeff. and
Lionberger, Mamie.	1601 Olive street.
Lowe, Edwina Dean.	923 Locust street.
Metcalf, Grace,	921 Salisbury street.
Moulton, Mellona J.,	2614 North Ninth street.
Peck, Belle.	614 Locust street.
Richards, Grace.	1803 Washington avenue.
	Total 19.

FOURTH PREPARATORY CLASS.

NAMES.	RESIDENCES.
Arnot, Emma J.,	2602 North Eleventh street,
Blood, Nellie W.,	Twenty-second and Pine streets.
Brown, Lillie L.,	3021 Sheridan avenue.
Day, Annie C.,	618 Locust street.
Dryden, Mary C.,	California and Miami sts.
Glover, Bettie M.,	2904 Gamble street.
Hamilton, Florence,	1307 Washington avenue.
Hamilton, May,	1307 Washington avenue.
Helmuth, Fanny J.,	1418 Washington avenue.
January, Laura H.,	1302 Washington avenue.
Lackland, Margaret A.,	1623 Lucas Place.
McLaran, Ella F.,	1628 Lucas Place.
Plant, Nellie M.,	3008 Lucas avenue.
Reed, Addie A.,	1703 Olive street.
Scott, Lulu Q.,	3018 Lucas avenue.
Wickham, Fanny G.,	1712 Lucas Place.
	Total 16.

PRIMARY DEPARTMENT.

NAMES.	RESIDENCES.
Arendt, Fannie C..	2744 Lafayette avenue.
Barret, Mattie S..	1426 Lucas Place.
Blossom, May,	2814 Pine street.
Brainard, Annie May.	2828 Stoddard street.
Coleman, Laura K.,	Olive street road.
Filley, Anna K.,	1614 Olive street.
Garrison, Luna N.	Easton avenue.
Gwinn, Lydia B.,	Olive street road.
Grandy, Annie,	Franklin avenue and Sixth st.
Holmes, Laura,	1914 Wash street.
Hargadine, Mary M.,	1416 Washington avenue.
January, Julia C.,	1137 Washington avenue.
Jouett, Mary L.,	1424 Olive street.
Markham, Fannie G.,	1526 Olive street. [Armstrong.
Maurice, Mary A.,	Park avenue bet. Missouri and
McPherson, Sophie.	McClure and Garrison avenues.
Powell, Edith,	1021 N. Nineteenth street.
Plant, Carrie,	3008 Lucas avenue.
Switzer, Eugenia.	1725 Washington avenue.
Shepley, Mary Louisa,	1518 Washington avenue.
Spencer, Amy C.,	Kennett Place.
Turner, Mary,	1706 Lucas Place.
Taylor, Theresa M.,	1814 Lucas Place.
Willis, Lillie S.,	1621 Washington avenue.
Wilson, Mary,	Glendale, Mo.

Total 25.

COURSE OF STUDY.

PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

PREPARATORY DEPARTMENT.

FOURTH PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.
Geography.—Warren's Elementary.
Mathematics.—Felter's Primary Arithmetic; Federal Money.
Writing.—Begun and continued through the course.
Drawing.—Begun and continued through the course.
French.—Fasquelle's First Lessons; Les Malheurs de Sophie.
Vocal Music.—Begun and continued through the course.

SECOND TERM.

English Language.—Reading and Spelling.
Geography.—Warren's Elementary; Black-board Exercises.
Mathematics.—Felter's Intermediate Arithmetic.
French.—Fasquelle's First Lessons; Les Malheurs de Sophie.
Music.—Elementary instruction, continued.

THIRD PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Geography. with Oral Instruction and Outline Maps.

Mathematics.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

French.—Fasquelle's First Lessons; Les Malheurs de Sophie.

Music.—Elementary Instruction, continued.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Oral Instruction and Outline Maps.

History.—Read Abbott's Cyrus.

Mathematics.—Written Arithmetic: Oral continued.

French.—Fasquelle; Les Malheurs de Sophie: La Mère l'Oie.

Music.—Elementary Instruction, continued.

SECOND PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Drawing Maps on the Black-board.

History.—Read Abbott's Darius.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Fasquelle's First Lessons; La Mère l'Oie.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—As found in History of the United States.

History.—Read Berard's United States.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

Physiology.—House I Live in, with Oral Instructions.

French.—Fasquelle and Reading.

FIRST PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Butler's Grammar.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Cubic Measure.

French.—Fasquelle; Malheurs de Sophie; Mère l'Oie.

SECOND TERM.

English Language.—Reading and Spelling; Butler's Grammar.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

French.—Fasquelle; Malheurs de Sophie; Mère l'Oie.

ACADEMIC DEPARTMENT.

FIFTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Definitions and Sentences; Grammar.

Geography.—Map Drawing.

Mathematics.—Oral and Written Arithmetic.

Latin.—Harkness' Arnold's First Latin Book; Oral and Written Exercises in Translating English into Latin, throughout the course.

Music.—Elementary instructions, continued.

Drawing.—Study of Form, by sketching simple objects.

French.—Les Enfants d'Aujourd'hui; Gouttes de Rosée; Fasquelle.

SECOND TERM.

English Language.—Reading, Spelling and Defining.

Grammar.—Analysis of Sentences

History.—Dickens' History of England, with study of Geography and Biography.

Mathematics.—Written Arithmetic, with written explanations.

French.—Fasquelle's Grammar; Les Enfants d'Aujourd'hui; Gouttes de Rosée.

Music.—Elementary instruction, continued.

FOURTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Grammar, reviewed.

History.—Dickens' England.

Mathematics.—Arithmetic.

Latin.—Harkness' Arnold's First Latin Book; Oral and Written Exercises in Translating English into Latin, throughout the course.

Music.—Elementary instruction, continued.

Drawing.—Study of Form by sketching simple objects.

French.—L'Histoire de France.

SECOND TERM.

English Language.—Read and study a Poem.

History.—Anderson's General History.

Mathematics.—Arithmetic; Algebra, begun.

French.—Fasquelle's Grammar; La Maison Blanche; Gouttes de Rosée.

Music.—Solfeggio Singing and Vocalization.

THIRD ACADEMIC CLASS.

FIRST TERM.

English Language.—Shakesperian Reader; Spelling.

History.—General History, with Geography.

Mathematics.—Algebra.

Latin.—Harkness' Grammar and Reader.

Physiology.—Huxley and Youmans'.

French.—Chapsal's Grammar; Sous la Neige; Gouttes de Rosée.

Music.—Solfeggio Singing and Vocalization.

Drawing.—Study of Dimension, in straight lines, angles, and curves.

SECOND TERM.

Mathematics.—Algebra: Principles of Arithmetic reviewed, with problems.

Latin.—Grammar and Reader; Cæsar.

Natural History.—Botany.

French.—Chapsal's Grammar; Sous la Neige: Littérature.

Drawing.—Study of Form; Sketching.

Music.—Solfeggio Singing and Vocalization.

SECOND ACADEMIC CLASS.

FIRST TERM.

English Language.—Reading, with Analysis.

Mathematics.—Geometry.

Latin.—Sallust; Antiquities.

Physics.—Natural Philosophy.

Rhetoric.—Day's Rhetoric.

French.—Chapsal's Grammar; Elisabeth, ou les Exilés en Sibérie; Littérature.

Drawing.—Study of Light and Shade: Sketching simple objects.

Music.—Solfeggio Singing and Thorough Bass.

SECOND TERM.

English Language.—Reading; Trench's Study of Words.

Mathematics.—Geometry.

Latin.—Ovid; Cicero; Mythology.

Domestic Economy.—Youmans' Household Science.

Chemistry.—Rolfe and Gillet's.

French.—Chapsal's Grammar; Elisabeth, ou les Exilés en Sibérie; Littérature.

Drawing.—Study of Light and Shade from simple objects.

Music.—Solfeggio Singing and Thorough Bass.

FIRST ACADEMIC CLASS.

FIRST TERM.

History.—Student's Hume.

Belles Lettres.—Spalding's English Literature.

Astronomy.—Brocklesby's.

Latin.—Æneid continued.

French.—Littérature.

Drawing.—Theory of Perspective ; Sketching.

Music.—Continued.

SECOND TERM.

Latin.—Odes of Horace.

Natural Science.—Dana's Geology.

Political Science.—Townsend's Analysis.

Philosophy.—Moral Science ; Evidences of Natural and Revealed Religion.

French.—Littérature.

Drawing.—Practice of Perspective, by sketching objects.

Music.—Continued.

EXTENDED COURSE.

ADVANCED CLASS.

FIRST TERM.

Physiology.—Comparative Physiology of Vegetable Life.

Philosophy.—Haven's Intellectual Philosophy, or Hamilton's Metaphysics.

Latin.—Ars Poetica; De Amicitia.

English Literature.—Shakspeare.

French.—Littérature; Conversation.

Art.—Drawing from Nature; Biography of Artists; History of Schools of Art.

Music.—Continued.

SECOND TERM.

Logic.—Thompson's Laws of Thought.

Physical Geography.—Guyot's Earth and Man.

History.—Guizot's History of Civilization.

Latin.—Epistles of Horace; Tacitus.

Rhetoric.—Schlegel's Dramatic Art and Literature.

Art.—Methods in Sculpture, Architecture, Painting, Music; Drawing, continued.

French.—Littérature; Conversation.

Music.—Continued.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

TUITION.

Primary Department, per term of 20 weeks.....	\$35 00
Fourth Preparatory Class, " "	40 00
Third " " " "	45 00
Second " " " "	50 00
First " " " "	50 00
Fifth Academic " " " "	55 00
Fourth " " " "	60 00
Third " " " "	70 00
Second " " " "	80 00
First " " " "	80 00
Advanced " " " "	80 00

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED except for Instrumental Music and Painting.

BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal, or to any of the Faculty.

SUMMARY.

ACADEMIC DEPARTMENT.....	314
COLLEGIATE ".....	38
SCIENTIFIC ".....	12
POLYTECHNIC INSTITUTE.....	144
LAW DEPARTMENT.....	31
MARY INSTITUTE.....	169
TOTAL.....	708

UNIVERSITY CALENDAR.

1869-70.

First Term begins Monday, September 13, 1869.
 Thanksgiving Day, Thursday, November 18, 1869.
 Winter Vacation, December 25, 1869, to January 1, 1870.
 Semi-Annual Examination, January 24-28, 1870.
 Second Term begins Monday, January 31, 1870.
 Anniversary Exhibition, Tuesday, February 22, 1870.
 Alumni Meeting, Wednesday, March 2, 1870.
 Holiday (see page 33), Friday, May 13, 1870.
 Senior Examination, June 2-3, 1870.
 Annual Examination, June 8-15, 1870.
 Commencement, Thursday, June 16, 1870.
 Summer Vacation.

1870-71.

First Term begins Monday, September 12, 1870.
 Thanksgiving Day.
 Winter Vacation, December 25, 1870, to Jan. 2, 1871, inclusive.
 Semi-Annual Examination, January 23-27, 1871.
 Second Term begins January 30, 1871.
 Anniversary Exhibition, Wednesday, February 22, 1871.

LIST OF GRADUATES.

GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked.]

1862.

HENRY MARTIN ANDERSON.
CHARLES BRANCH, A.M.
HENRY BRANCH, A.M.
REGIS CHAUVENET, A.M.
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.
JOHN TILDEN DAVIS.
WILLIAM RHIND DONALDSON.
HENRY WARE ELIOT.
OSCAR WILLIAM GAUSS.
NATHANIEL GRAY SMITH HART.
CHESTER HARDING KRUM.
THOMAS KEITH SKINKER.
*JAMES STATT'S WATERS.

1864.

GEORGE WEBER CUTTER, A.M.
CHARLES EDWARD ILLSLEY, A.M.
JOHN HERAN KERCHEVAL.
JOHN GEORGE DAVID KNIGHT, A.M.
WILLIAM ELIOT SMITH, A.M.

*Deceased February 28, 1869.

1865.

HENRY GARDINER BLAKE.
FREDERICK JULIUS CASTELHUN. A.M.
WILLIAM T. GLASGOW.

1866.

*THOMAS FASSIT COLLIER.
CHARLES FLETCHER HAZARD.
JOSEPH NORWOOD LITTON.
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.
ALEXANDER GILL DONALDSON.
GEORGE JULIUS ENGELMANN.

1868.

LEWIS BLOCK.
FREDERICK MORGAN CRUNDEN.
HARVEY HALE DELANO.
SAMUEL GEORGE FENBY,

1870.

VERNON WESLEY KNAPP.
CHARLES MANNING LITTON.
FRANK CHARLTON STONE.

GRADUATES IN SCIENCE.

1866.

EDWARD SINGLETON HOLDEN. B.S.
REGIS CHAUVENET, B.S.

Deceased July 15, 1868.

GRADUATES IN LAW.

1869.

MAURICE D. COLLIER.
DANIEL DILLON.
JAMES S. GARLAND.
WM. E. HALL.
JOHN H. NICHOLSON.
JOHN P. PLAYER.
GIFFORD S. ROBINSON.
CHARLES H. SEE.
PHILIP SUTHERLAND.
PETER J. TAAFFE.
JOSEPH T. TATUM.

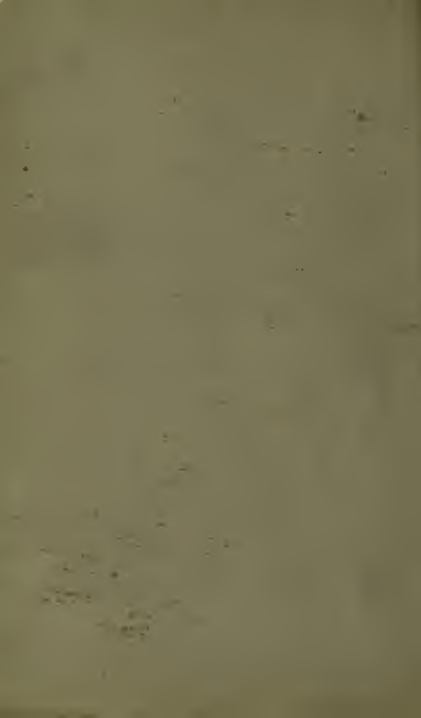
HONORARY GRADUATES

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.



A CATALOGUE

OF THE

OFFICERS, STUDENTS,

AND

COURSES OF STUDY IN THE SEVERAL DEPARTMENTS

OF

WASHINGTON UNIVERSITY,

FOR THE

ACADEMIC YEAR 1870-71.

— • • • —

SAINT LOUIS:

R. P. STUDLEY & CO., PRINTERS, BINDERS AND LITHOGRAPHERS.

MDCCCLXXI.

CORPORATION.

PRESIDENT :

WILLIAM G. ELIOT.

VICE PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

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WAYMAN CROW,
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JOHN R. SHEPLEY,
ALBERT TODD,

JAMES H. LUCAS,
HUDSON E. BRIDGE,
HENRY HITCHCOCK,
JAMES E. YEATMAN,
SAMUEL TREAT,
CARLOS S. GREELEY,
ROBERT CAMPBELL,
JOHN P. COLLIER.

OFFICERS

OF

GOVERNMENT AND INSTRUCTION.

	RESIDENCE.
W. G. ELIOT, D.D., <i>Acting Chancellor and Tileston Professor of Political Economy.</i>	2660 Washington av.
ABRAM LITTON, M.D., <i>Eliot Professor of Chemistry, and Acting Professor of Physics.</i>	2220 Eugenia st.
———, <i>Wayman Crow Professor of Physics.</i>	
TRUMAN M. POST, D.D., <i>Professor of Ancient and Modern History.</i>	3031 Lucas av.
GEORGE ENGELMANN, M.D., <i>Professor of Botany and Natural History.</i>	201 S. Fifth st.
CALVIN S. PENNELL, A.M., <i>Bridge Pro- fessor of Intellectual and Moral Philosophy, and Principal of Mary Institute.</i>	1600 Pine st.
SYLVESTER WATERHOUSE, A.M., <i>Col- lier Professor of Greek.</i>	1709 Washington av.
GEORGE B. STONE, A.M., <i>Professor of Rhetoric, and Principal of the Academic Department.</i>	1016 N. 17th street.
CALVIN M. WOODWARD, A.M., <i>Thayer Professor of Mathematics and Applied Mechanics.</i>	1501 Chestnut st.
GEORGE E. JACKSON, A.M., <i>Professor of Latin.</i>	Washington av. west of Grand av.
MARSHALL S. SNOW, A.M., <i>Professor of Belles-Lettres and Registrar.</i>	1516 Pine street.
LEOPOLD NOA, <i>Professor of Ancient and Modern Languages.</i>	2739 Morgan st.

	RESIDENCE.
HENRY POMEROY, A.M., <i>Professor of Astronomy and Mathematics.</i>	1516 Pine street.
DENHAM ARNOLD, A.M., <i>Assistant Professor of Physics, and Vice-Principal of the Academic Department.</i>	2643 Washington av.
CHAS. A. SMITH, C.E., <i>Assistant Professor of Civil and Mechanical Engineering.</i>	1428 Poplar street.
FRED. M. CRUNDEN, A.B., <i>Instructor in Mathematics and Elocution.</i>	1428 Poplar street.
EDWIN F. BAYLEY, A.B., <i>Teacher of Third Academic.</i>	3008 Laclede av.
JOHN H. JENKS, <i>Teacher of German.</i>	824 S. Sixth st.
JOHN T. PRINCE, <i>Teacher of Fifth Academic.</i>	2319 Eugenia st.
ISAAC N. CUNDALL, A.M., <i>Teacher of Fourth Academic.</i>	3008 Laclede av.
WARREN T. HILLMAN, <i>Teacher of English Branches.</i>	1929 Randolph st.
CHARLES M. LITTON, A.B., <i>Teacher of English Branches.</i>	2220 Eugenia st.
FRED. A. WISLIZENUS, A.B., <i>Teacher of English Branches.</i>	500 S. Fifth st.
J. W. PATTISON, <i>Teacher of Drawing.</i>	2726 Olive street.
WALDEMAR MALMÈNE, M. B. CANTAB. <i>Teacher of Vocal Music.</i>	1631 Washington av.
MISS INEZ E. BORDEN, <i>Assistant Teacher in Preparatory Department.</i>	1016 N. 17th st.
MISS AMANDA FORD, <i>Principal of Primary School.</i>	1016 N. 17th st.
MISS LIZZIE W. LEIGH, <i>Assistant Teacher in Primary School.</i>	3127 Thomas st.

LAW DEPARTMENT.

RESIDENCE.

HON. SAMUEL TREAT, A.M.	1114 Pine street.
ALBERT TODD, A.M.,	Park av., w. Lafayette Park.
HON. SAMUEL REBER, A.M.,	2206 Olive street.
HON. JOHN M. KRUM,	1107 Washington avenue.
ALEXANDER MARTIN, A.M.,	Southern Hotel.
GEORGE A. MADILL, A.M.,	2347 Market street.
HENRY HITCHCOCK, A.M.,	1507 Lucas Place.
GEO. M. STEWART.	618 Olive street.

MARY INSTITUTE.

CALVIN S. PENNELL, A.M., <i>Principal.</i>	1600 Pine street.
Miss FLORENCE FOSTER, <i>Instructor in Latin and Natural Sciences.</i>	1621 Olive street.
Miss HENRIETTA SAWYER, <i>Principal of Preparatory Department.</i>	2839 Olive street.
Miss MARGARET T. WALLACE, <i>Principal of Primary Department.</i>	2926 Laclede av.
Miss FLORENCE K. HOLDEN, <i>Instructor in Mathematics.</i>	107 N. 8th street.
Miss SARAH E. COLE, <i>Instructor in Natural Sciences and German.</i>	1228 Washington av.
Miss ELIZABETH A. PENNELL, <i>Teacher of English Branches and Assistant Teacher of Drawing.</i>	1600 Pine street.
Miss MARY E. MACK, <i>Teacher of Natural Philosophy, and other English Branches.</i>	Webster Groves.
Miss ROSELLA C. JONES, <i>Teacher of English Branches.</i>	617 Locust street.
Miss MARY E. GLIDDEN, <i>Teacher of Reading and Composition.</i>	1228 Washington av.
Miss ANNA FLINTHAM, <i>Assis't Teacher of English Branches.</i>	S. 7th street.
MADAME LOUISE GRANDJÉAN, <i>Teacher of French.</i>	1312 Poplar street.
Miss HENRIETTA MARIA NOA, <i>Teacher of German and Gymnastics.</i>	2739 Morgan street.
MRS. KATE J. BRAINARD, <i>Teacher of Vocal and Instrumental Music.</i>	2502 Carr street.

GENERAL STATEMENT.

WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University, and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this act, forthwith to institute an inquiry into

the charge or charges that may be preferred, in respect thereof, by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the said second section of this act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

“SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation.”

The present members of the Corporation have no sectarian purpose to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading of the Scripture and other appropriate service.

On the 22nd of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic, or Scientific Department was organized at that time. The Collegiate Department was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law Department was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first

supposed. To secure the best talent, competent salaries must be paid, and the best facilities of education, apparatus, library, buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those offered in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principles on which endowments are invited, the fifth, sixth and seventh articles of the Constitution are here inserted :

“ARTICLE V.

“Endowment of Professorships.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

“ARTICLE VI.

“Endowment of Departments.

“Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

"ARTICLE VII.

"Specific Funds."

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

1871.

WESTERN SANITARY COMMISSION FREE
SCHOLARSHIPS.

A Trust Fund of \$30,000 has been accepted by the University, from the above named Commission, for the establishment of TWENTY FREE SCHOLARSHIPS, in the Collegiate or Scientific Departments, to be filled by children or descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School, or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, or who fails to comply with the rules of the Institution.

Several appointments have already been made.

WESTERN SANITARY COMMISSION SUSTENTATION FUND.

From the same source a Sustentation Trust Fund of \$10,000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

A NEW BUILDING.

For the use of the Polytechnic Institute or Scientific Department of the University, is in progress of erection on Washington Avenue, next to the College building. The combined buildings have a frontage of 207 feet by 46 feet deep, and five stories high. Every convenience for complete technological instruction will be given, and the chemical and other laboratories thoroughly supplied at a cost of not less than \$20,000. A department of Mining and Metallurgy will be included, for which there is reason to think an ample and special endowment will soon be made.

The means for erecting this building are given by our own citizens, with the exception of \$15,000 contributed by our early and generous benefactor, Nathaniel Thayer, of Boston. His gifts have been so large and so timely, amounting in all to \$50,000, that, on several occasions, they have been the turning point of our progress and success.

We avail ourselves here of the opportunity renewedly to acknowledge the gift, six years ago, of \$25,000, from Mrs. Augustus Hemenway, of Boston, in memorial of her father, Thomas Tileston, a distinguished merchant of New York City. The gift was made without condition, but, in recognition of it, the TILESTON Professorship of Political Economy was established.

Notwithstanding the past liberality of the friends of the University and its remarkably rapid progress, the increasing expenses of advanced education are so great that our income is yet far below the demands of the time.

The bequest of Henry Ames falls due this year, and will be used according to the tenor of the gift. Some department of the Polytechnic Institute, in the new building also, will bear his name as an additional memorial of the endowment.

The obligations, under which the University came to the St. Louis Board of Public Schools, in consideration of their permanent establishment of an elementary Polytechnic School and the continuance of the Ames Library, fall due at the close of the next year, and unimproved real estate, sufficient to meet them, has been set apart, and will be sold for that purpose.

I.—ACADEMIC DEPARTMENT.

FACULTY AND INSTRUCTORS.

GEORGE B. STONE, A.M.,

PRINCIPAL OF THE ACADEMIC DEPARTMENT.

DENHAM ARNOLD, A.M.,

VICE-PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

LEOPOLD NOA.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.B.

EDWIN F. BAYLEY, A.B.

JOHN H. JENKS.

JOHN T. PRINCE.

ISAAC N. CUNDALL, A.M.

WARREN T. HILLMAN.

CHARLES M. LITTON, A.B.

FRED. A. WISLIZENUS, A.B.

J. W. PATTISON.

WALDEMAR MALMÈNE.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

STUDENTS.

ADVANCED CLASS.

NAMES.	RESIDENCES.
Allen, Charles Claflin	Barnum's Hotel.
Allen, Bradford	1414 Lucas Place.
Conzelman, Wm. Eliot	2124 Clark avenue.
Coste, Paul Felix	1536 Papin.
Cunningham, James Thomas	Park avenue, west of Miss. av.
Glasgow, Allen Cuthbert	3015 Sheridan avenue.
Glasgow, Frank Adams	3015 Sheridan avenue.
Kribben, Bertram Delafield	923 Amelia avenue.
Lionberger, Henry Isaac	1601 Olive.
Robinson, Anselm Clark	1002 Chestnut.
Sanderson, Albert E.	New York, N. Y.
Shapleigh, Aug. Frederic	1229 Washington avenue.
Strattan, Charles Taylor	Mt. Vernon, Ill.
Trimble, John, Jr.	Nashville, Tenn.
Walker, James Rankin	1226 Washington avenue.
	Total, 15.

FIRST CLASS.

NAMES.	RESIDENCES.
Bonner, Samuel West	2828 Pine.
Brotherton, Wm. Scott	1300 Olive.
Burlingham, Albert Starr	1800 Olive.
Cavender, John Howard	1107 Dillon.
Coleman, Robert Colman	St. Louis Township.
Eliot, Christopher Rhodes	2660 Washington avenue.
Engler, Edmund Arthur	1515 Jackson.
Espenschied, Fred. Frank	813 Hempstead.
Howland, Wm. Conclin	2231 Clark avenue.
Le Bourgeois, J. Charless	Convent, La.
Mack, Fred. Augustus	1800 Carondelet avenue.
McAllister, Andrew Paris	1217 St. Ange avenue.
Parsons, Charles Levi	1211 Washington avenue.
Price, Wm. Barton	1314 Washington avenue.

NAMES.	RESIDENCES.
Richards, Charles Sheafe	912 North Nineteenth.
Richardson, James, Jr.	2827 Locust.
Robinson, Clarence McDonald	1002 Chestnut.
Thompson, Frank Pierce	2333 Olive.
Total 18.	

SECOND CLASS.

NAMES.	RESIDENCES.
Aull, Robert, Jr.	1520 Lucas Place.
Baker, James Beall	1208 Washington avenue.
Berry, John Marshall	Fairview.
Boeckeler, Wm. Lassen	1119 Paul.
Carter, Edward N.	Belleville, Ill.
Eames, Wm. Sylvester	1224 Washington avenue.
Eisenstadt, Samuel	810 North Eleventh.
Eisenstadt, Morris	810 North Eleventh.
Farrar, Wm. Christy	2733 Chestnut.
Filley, Robert Eldridge	1527 Lucas Place.
Gildehaus, Charles	Nineteenth and Gratiot.
Goode, George	Meramec, Mo.
Gore, Stephen A.	1017 Olive.
Lindley, Ed. Purdy	1027 St. Ange avenue.
Meister, Otto	Merrimac street.
Meister, Herman	Merrimac street.
Merriman, Wm. L.	St. Louis Township.
Mersman, Frederic C.	1016 Chouteau.
Moulton, Sylvanus Moulton	2614 North Ninth.
Nilsen, Anton Joseph	1012 Chouteau avenue.
Overstolz, Ferdinand George	12 North Fourteenth.
Todd, Eliot	2710 Morgan.
Total. 22.	

THIRD CLASS.

NAMES.	RESIDENCES.
Batte, Henry S.	703 North Seventeenth.
Block, George M.	Clarksville, Mo.
Bowman, Wm. Holliday	Kirkwood, Mo.

NAMES.	RESIDENCES.
Brouster, James B.	St. Louis Co.
Burdett, Wm. A.	2010 Clark avenue.
Chamberlain, William	1819 Washington avenue.
Chauvenet, William Marc	2703 Lucas avenue.
Cunningham, Henry Davis	Park avenue, near Miss. avenue.
Defriez, Harry	1624 Pine.
Fabian, Ferd. J.	1302 St. Ange avenue.
Farrar, John Royal	1316 Washington avenue.
Gibson, Victor	Cor. Lafayette and McNair.
Gibson, Archie	Cor. Lafayette and McNair.
Gillman, Benj. Ives, Jr.	Godfrey, Ills.
Gore, Charles	1017 Olive.
Gregg, Norris Bradford	2631 Pine.
Hamill, Joseph Hackney	Russell av. bet. Grand & Comt'n
Hargadine, Atreus J.	1416 Washington avenue.
Hitchcock, Henry, Jr.	1507 Lucas Place.
Kohlund, Athens L.	619 Souland.
Leffingwell, Charles Hunt	Kirkwood, Mo.
Lockwood, Richard R.	Laclede Station. P. R.R.
Mack, Charles S.	Webster.
McClellan, Henry Sharp	3428 Morgan.
Metcalf, Albert B.	921 Salisbury.
Miller, Richard	1547 South Seventh.
Owen, George W.	Brotherton, Mo.
Peck, Wm. Wisenfelce	614 Pine.
Pegram, George H.	1926 Wash.
Reed, Charles Warren	1703 Olive.
Reed, George Paige	1219 Pine.
Rudolph, Charles	705 North Nineteenth.
Sears, Hiram J.	Carondelet.
Senden, Julius Hermann	1833 Carr.
Shapleigh, John Blasdel	1229 Washington avenue.
Thornburgh, Rob't Denny	3023 Locust.
Wickham, William Fanning	1712 Lucas Place.
Zisemann, Ernest	1511 Marion.

Total, 38.

FOURTH CLASS.

NAMES.	RESIDENCES.
Adams, Chas. Fremont	1603 Washington avenue.
Barry, William T.	2804 Lafayette avenue.
Benz, Charles	Washington University.
Bowman, Chas. Fox	Kirkwood, Mo.
Bronson, George A.	1410 Olive street.
Burlingham, Charles C.	1800 Olive.
Carr, Wm. Chiles	2735 Chestnut.
Cole, Frank	815 Tayon avenue.
Collins, Monroe R.	1210 Washington avenue.
Duke, James Clay	2327 Olive.
Duncan, Henry	1512 Olive.
Eliot, Edward C.	2660 Washington avenue.
Farrar, Charles Thruston	2733 Chestnut.
Garland, Nathan M.	Monticello, Ill.
Gredel, Albert	714 North Twenty-first.
Herrmans, William E.	1827 Washington avenue.
Hill, William S.	St. Louis Township.
Holm, Charles H.	908 Amelia.
Johnson, Warren S.	1129 Locust.
Kerr, Tracy	St. Louis Township.
Kimbrough, Frank P.	2730 Morgan.
Kunsemüller, Chas. F., Jr.	818 North Eleventh.
McCune, Charles	St. Louis Township.
McPherson, Page	Washington ave. beyond Grand.
Montgomery, Robert A.	1316 Olive.
Montgomery, James W.	1316 Olive.
Neill, John	114 South Eighth.
O'Fallon, Henry Taylor	Bellefontaine Road.
Peck, George W.	2738 Olive.
Rannells, Edward	1226 Clark avenue.
Schaeffer, George	2120 Morgan.
Schaeffer, Louis J.	2120 Morgan.
Suss, Alexander, Jr.,	1404 Pine.
Taussig, Frank	1526 Mississippi avenue.
Taylor, Bernard Pratte	Pendleton, Mo.
Thompson, George D.	2333 Olive.
Waters, Frank Alexander	1603 Chestnut.
Wolf, George R.	2008 Morgan.
	Total, 38.

FIFTH CLASS.

NAMES.	RESIDENCES.
Ames, Henry	1512 Lucas Place.
Bargen, Rudolph Justus	1014 North Fifth.
Bryan, Francis T., Jr.	1405 Pine.
Bryan, John H.	1405 Pine.
Cabot, Dexter Wales	2113 Pine.
Carr, Nathaniel Paschall	2735 Chestnut.
Carter, James S.	St. Louis Township.
Filley, Christopher G.	1527 Lucas Place.
Finlay, Andrew	Grand avenue.
Finlay, Arthur	Grand avenue.
Gambs, Ernest F.	1224 Second Carondelet avenue.
Gartside, James	2923 Morgan.
Hamill, Samuel	2800 Lafayette avenue.
Hill, Edward M.	1619 Morgan.
Humphreys, Geo. A.	Carondelet.
Kaime, Edward Francis	Grand avenue, near Morgan.
Markham, George Dickson	1526 Olive.
McCreery, Wm. Hynes	922 Olive.
Mellier, Amédée	2602 Pine.
Mellier, Walter	2602 Pine.
Mitchell, Webster	2814 Pine.
Monell, Joseph	319 North Seventh.
Obear, Frank W.	Arkansas and Lafayette avenue.
Paul, Adolphe Lewis	827 Chouteau avenue.
Pendleton, Wm. A.	1402 Pine.
Schnaider, Joseph	2041 Chouteau avenue.
Scollay, Harry	910 North Nineteenth.
Senden, Charles	1833 Carr.
Shapleigh, Richard W.	1229 Washington avenue.
Shepley, John F.	1518 Washington avenue.
Stinde, George	3032 Lucas avenue.
Tilden, Charles	911 Olive.
Wieseman, Oliver	1304 Chestnut.
Willis, Arthur Douglass	1929 Morgan.
Wilson, Chas. J. L.	Everett House.

Total, 35.

SCIENTIFIC AND COMMERCIAL DEPARTMENT.

PREPARATORY SCIENTIFIC DEPARTMENT.

NAMES.	RESIDENCES.
Barron, John W.	2216 Walnut.
Bischoff, Julius G. D.	1842 Fulton.
Carter, George S.	Belleville, Ills.
Drake, Lewis Horace, Jr.	Mexico, Mo.
Duke, Henry Buford	2327 Olive.
Durkee, Chas. E.	2803 Locust.
Eisenhardt, Otto	1018 South Eighth.
Ludlow, Francis Maury, Jr.	Cor. Compton & Rappahanock.
Morse, Charles Morgan	Kirkwood, Mo.
Smyth, Wm. Gore	1313 Pine.
Suppiger, Louis	Highland, Ills.
	Total. 11.

COMMERCIAL CLASS.

Barnett, Absie Joseph	2405 Chestnut.
Coleman, Chalmers Dwight	Olive and Union avenue.
Conn, Henry	17 South Sixth.
Elles, Edward A.	Belleville, Ills.
Fisk, Chas A.	1419 Chouteau avenue.
Forster, Bryan	1316 Walnut.
Greene, James H.	Tenth and Penrose avenue.
Hawke, William	Nebraska City, Nebraska.
Jones, Charles, Jr.	2140 Eugenia.
Lauck, Pierre Ham.	1306 Chestnut.
Pearce, Samuel	Cincinnati, Ohio.
Tirrell, James M.	Freiburg, Ills.
	Total. 12.

PREPARATORY AND PRIMARY DEPARTMENT.

FIRST PREPARATORY.

NAMES.	RESIDENCES.
Aull, Wilson	1520 Lucas Place.
Bain, Robert E. M.	1410 Lasalle.
Bartlett, Andrew Wineland	1611 Hickory.
Campbell, Hazlett K.	1508 Lucas Place.
Campbell, James A.	1508 Lucas Place.

NAMES.	RESIDENCES.
Carson, James O.	2821 Locust.
Chartrand, George	East St. Louis, Ills.
Clover, Ashley Cooper	2128 Clark avenue.
Cole, Theodore	1015 North Fifth.
Day, Laurence W.	618 Locust.
Felton, Joe. T.	409 North Eleventh.
Filley, Augustus	1614 Olive.
Filley, William Joseph	1527 Lucas Place.
Fuess, Charles	Belleville, Ills.
Hirschberg, Louis	1308 Olive.
Jackson, Edward F.	Washington ave. near Grand.
Kaime, George James	Grand avenue, near Morgan.
Leffingwell, John	Kirkwood, Mo.
Lowry, Clarence G.	1703 Washington avenue.
McCormack, Henry	3300 Broadway.
Scott, Wm. Poston	3018 Lucas avenue.
Shepley, George F.	1518 Washington avenue.
Switzer, Robert J.	1725 Washington avenue.
Turner, Henry	1706 Lucas Place.
Whitmore, Fred. M.	2803 Pine.
Wilkinson, Geo. F.	1551 Gratiot.
Willis, Chas. Frederic	1621 Washington avenue.
	Total, 27.

SECOND PREPARATORY.

Baker, John L.	1208 Washington avenue.
Boardman, Charles H.	203 South Sixteenth.
Bridge, Hudson Eliot	St. Louis Township.
Carr, George A.	Nineteenth and Wash.
Chamberlin, Eliot	1819 Washington avenue.
Cobb, Addison Mott	1520 Pine.
Conn, Joseph H.	17 South Sixteenth.
D'Oench, William, Jr.	1201 St. Ange avenue.
Fox, Monroe Livingston	1407 Olive.
Frelligh, Louis H.	1486 Francis.
Gildehaus, Richard	Nineteenth and Gratiot.
Haseltine, Wm. B., Jr.	2731 Pine.
Hicks, Victor Lucas	1010 Olive.
Jackson, Geo. R.	1500 Pine.

NAMES.	RESIDENCES.
Leigh, Herbert	3127 Thomas.
McCormack, J. L.	3300 Broadway.
McFarland, John	112 North Eighth.
McLaran, Percy B.	1628 Lucas Place.
Mathias, Wm. Oscar	2103 North Tenth.
Mauzy, William	2303 Wash.
Nilsen, Max August	1012 Chouteau avenue.
Owen, John C.	Brotherton, Mo.
Peck, John	614 Locust.
Perkins, Nathan W.	1503 Chestnut.
Schmidt, Louis, Jr.	410 Washington avenue.
Silver, David John, Jr.	3435 Morgan street.
Strode, Frederick Bates	125 South Fourteenth.
Von Phul, Stephen F.	209 South Sixteenth.
Waterman, Alfred	St. Louis Township.
Waterman, J. Kingsbury	St. Louis Township.
Warne, George	Near Grand avenue.
Wissman, William, Jr.	St. Louis Township.
Wülfig, Max	1919 Gratiot.
Wyman, Arthur	Lindell avenue. beyond Grand.
	Total. 33.

PRIMARY CLASS.

Anderson, Chas. T.	1101 Chestnut.
Baker, Jesse G.	1208 Washington avenue.
Barrett, James S.	1426 Lucas Place.
Bell, Wm. Herbert	1513 Clark avenue.
Bridge, Harrison P.	St. Louis Township.
Capen, Samuel Davis	1520 Olive.
Carr, George	Nineteenth and Wash streets.
Cavender, James S.	1107 Dillon.
Cline, George W.	840 South Eighth.
Colman, Frank	Olive street, beyond Union av.
Conn, Louis L.	17 South Sixth.
Dearborn, Samuel S.	2620 Locust.
Eaton, George	1621 Olive.
Filley, Victor G.	1527 Lucas Place.
Fox, Monroe Livingston	1407 Olive.
Gregg, Wm H.	2631 Pine.

NAMES.	RESIDENCES.
Hartman, Wm. A. C.	3108 Morgan.
Heerman, Henry P.	1827 Washington avenue.
Hicks, Silas	1010 Olive.
Jacobs, Michaelis Eisenstadt	810 North Eleventh.
January, Derrick	1137 Washington avenue.
Kaime, Benjamin E.	Grand avenue. near Morgan.
Keiler, John	1113 Washington avenue.
Kennett, Percy F.	1318 Washington avenue.
Kennett, S. Houser	1318 Washington avenue.
Mack, George	Twenty-third and Franklin av.
Malmene, Waldemar	1631 Washington avenue.
McKittrick, Adam McM.	1628 Pine.
McKittrick, George	1628 Pine.
McLaran, Robert C.	1628 Lucas Place.
Owen, John C.	Brotherton, Mo.
Rannells, John W.	1226 Clark avenue.
Schmidt, Louis, Jr.	410 Washington avenue.
Scollay, Leonard	910 North Nineteenth.
Shapleigh, Alfred Lee	1229 Washington avenue.
Simon, Charles Fitzhugh	917 Locust.
Smith, Irwin Z., Jr.	2702 Olive.
Taylor, George R., Jr.	Eighteenth and Lucas Place.
Whitelaw, Charles W.	Southern Hotel.
Whitelaw, George P., Jr.	Southern Hotel.
Willis, Charles C.	413 South Eighth.
Withers, Wm. T.	103 North Eighth.
Wooldridge, Edmund	713 North Seventeenth.
Wright, William W.	918 North Tenth.

Total. 44.

ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one

term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to active business life, or to the Collegiate and Scientific Departments of the University.

ACADEMIC COURSE OF STUDY.

FOURTH CLASS.

Mathematics.—Felter's Arithmetic, and Stoddard's Intellectual Arithmetic.

Geography.—Warren's Common School.

History.—Anderson's.

English Grammar.—Green's Introductory.

Latin.—Harkness's Introductory Latin Book.

Reading, Writing and Spelling: Composition.

THIRD CLASS.

FIRST TERM.

Mathematics.—Felter's Arithmetic: Stoddard's Intellectual Arithmetic.

Latin.—Harkness's Introductory Latin Book.

English Grammar.—Parsing and Analysis.

Reading, Writing and Spelling: Composition and Declamation.

SECOND TERM.

Mathematics.—Felter's Arithmetic.

Grammar.—Parsing and Analysis.

Latin.—Harkness's Latin Reader.

Reading, Writing and Spelling: Composition and Declamation.

SECOND CLASS.

FIRST TERM.

Geography.—Warren's Physical Geography.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Walton's Higher Arithmetic.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

FIRST CLASS.

FIRST TERM.

Physiology.—Hitchcock's.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book; Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Otto's German Grammar.

Composition and Declamation.

SECOND TERM.

Mathematics.—Greenleaf's Algebra.

Latin.—Æneid of Virgil.

Greek.—Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Evans' Otto's Reader.

Composition and Declamation.

ADVANCED CLASS.

FIRST TERM.

Latin.—Æneid and Bucolics of Virgil.

Greek.—Felton's Greek Reader; Greek Composition.

Mathematics.—Greenleaf's Algebra.

German.—Maria Stuart.

Composition and Declamation.

SECOND TERM.

Latin.—Cicero's Orations; Latin Prose composition.

Greek.—Anabasis; Greek Prose Composition.

Mathematics.—Chauvenet's Geometry, three books.

German.—William Tell.

Composition and Declamation.

PREPARATORY SCIENTIFIC CLASS.

FIRST TERM.

Arithmetic.—Walton's Higher.

Algebra.—Greenleaf's Elementary.

Physical Geography.—Warren's.

German.—Otto's Grammar.

History.—Anderson's.

Composition and Declamation.

Drawing.

SECOND TERM.

Algebra.—Greenleaf's Elementary; through Quadratic.

Geometry.—Chauvenet's, three books.

Physiology.—Hitchcock's.

History.—White's Landmarks.

German.—Evans' Otto's Reader.

Drawing.

Composition and Declamation.

COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academic Department.

GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of all the Departments.

EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

TUITION.

Primary Class, per term of 20 weeks.....	\$25 00
Preparatory " " "	30 00
Fourth " " "	35 00
Third " " "	37 50
Second " " "	40 00
First " " "	42 50
Advanced " " "	45 00
Commercial " " "	50 00
Preparatory Scientific, per term of 20 weeks.....	50 00

These rates are for the current year only.

No extra charges of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

II.—COLLEGIATE DEPARTMENT.

FACULTY.

W. G. ELIOT. D.D.
ABRAM LITTON, M.D.
TRUMAN M. POST. D.D.
CALVIN S. PENNELL, A.M.
SYLVESTER WATERHOUSE. A.M.
GEO. B. STONE. A.M.
CALVIN M. WOODWARD. A.M.
GEORGE E. JACKSON, A.M.
MARSHALL S. SNOW. A.M.
LEOPOLD NOA.
HENRY POMEROY, A.M.
DENHAM ARNOLD. A.M.
CHAS. A. SMITH, C.E.

STUDENTS.

SENIOR CLASS.

NAMES.	RESIDENCE
Belcher, Geo. Wilson	1316 Pine street.
Chauvenet, Sam'l Hemple	2703 Lucas avenue.
Hough, John William	113 S. Seventh street.
Thiele, Henry William	Cor. of Adams and Emily.
	Total. 4.

JUNIOR CLASS.

Jewett, Eliot Conway	2918 Morgan street.
Metcalfe, Lyne Shackelford, Jr.	921 Salisbury street.
Patrick, Wm. Francis	1618 Washington avenue.
Scheel, Adolph Max	Belleville, Ills.
Post, Martin Hayward	3031 Lucas avenue.
	Total. 5

SOPHOMORE CLASS.

Bryan, Wm. James Samuel	1419 Dodier street.
Cabot, Henry Hyde	2113 Pine street.
Chauvenet, Louis	2703 Lucas avenue.
Cline, Fred. Addison	840 South Eighth street.
Curtis, Wm. Samuel	1001 Compton avenue.
Farrar, Luther Kennett	1314 Washington avenue.
	Total. 6.

FRESHMAN CLASS.

Bowman, Ed. Monroe	Alton, Ills.
Chouteau, Azby Aug.	1118 Olive street.
D'Oench, Fred. Ernest	1201 St. Ange.
Ewing, Fred. Berthold	1112 Olive street.
Glover, John Milton	2904 Gamble avenue.
Kennett, Alfred Quinton	1522 Washington avenue.
Lemoine, Ashton	1422 Washington avenue.
Schuyler, Wm. Ridg.	2820 Locust street.
Spargo, John Webster	717 S. Pratte avenue.
Stevens, Geo. Lincoln	1228 Washington avenue.
	Total. 10.

SPECIAL STUDENTS.

NAMES.

RESIDENCES.

Burdett. Everett Watson	2010 Clark avenue.
Evers. Henry	Cor. North Market and W. 16th.
Hotchkiss, Frank	St. Louis Township.
Jecko, Stephen Henry	1129 S. Seventh street.
Münch, Hugo	Dutrow, Mo.
Turner, Lucius Dodd, Jr.	Freeburg, Ills.
Belcher, Mary Alice	1009 Chouteau avenue.
Strong. Mary Harriet	1003 Garrison avenue.
	Total, 8.

ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books:

LATIN.

Cæsar's Commentaries; the Bucolics, and the Æneid of Virgil. to Book VII; Cicero's Select Orations, Folsom's or Johnson's edition; Andrews' and Stoddard's Grammar, including prosody: Writing Latin.

GREEK.

Colton's or Felton's Reader; Crosby's Grammar, including prosody: Writing Greek with the accents.

MATHEMATICS.

Walton's Arithmetic: Greenleaf's Algebra.

GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Outlines of Universal History.

NOTE.—Instead of the prescribed text books, equivalents will be accepted.

TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the Collegiate Department will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of

the Summer Term in June, and at the commencement of the Fall Term in September; but persons may be examined for an advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academic Department of the University must produce, before examination, proper testimonials of a good moral character; and, if from another college, a certificate of dismission in good standing.

COLLEGIATE COURSE OF STUDY.

FRESHMAN CLASS.

FIRST TERM.

Latin.—Lincoln's Livy; Exercises in writing Latin.

Greek.—Felton's Greek Historians (Herodotus); Exercises in writing Greek; Crosby's Grammar.

Elementary Ethics.

Mathematics.—Chauvenet's Geometry.

History.—Smith's smaller History of Greece.

French.—French Grammar.

Themes and Declamation.

SECOND TERM.

Latin.—Horace; Roman Antiquities; Exercises in writing Latin.

Greek.—Panegyricus of Isocrates; Homer's Odyssey; Exercises in writing Greek.

Mathematics.—Higher Algebra.

History.—Smith's smaller History of Rome.

English Literature.—History of English Literature.

French.—Télémaque.

German.—Schiller's Maria Stuart.

Themes and Declamation.

SOPHOMORE CLASS.

FIRST TERM.

Latin.—Cicero's Tusculan Disputations; Exercises in writing Latin.

Greek.—Demosthenes de Corona; Exercises in writing Greek.

Mathematics.—Chauvenet's Trigonometry.

History.—Student's Hume.

French.—Histoire de Charles XII; Translation; Grammar.

German.—Grammar; Wieland.

Themes and Declamation.

SECOND TERM.

REQUIRED STUDIES:

Latin.—Juvenal; Terence, or Plautus; Exercises in writing Latin.

Mathematics.—Analytical Geometry.

Physics.—Ganot's.

French.—Grammar; Fables de la Fontaine; Composition.

German.—Goethe's Egmont.

Themes and Declamation.

ELECTIVE STUDIES:

Greek.—Alcestis of Euripides; Prometheus of Æschylus; Exercises in writing Greek.

History.—Student's Hume.

JUNIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

Chemistry.—Roscoe's.

History.—Student's France.

Rhetoric.—Whateley's.

Themes and Declamation.

ELECTIVE STUDIES:

Latin.—Tacitus or Quintilian; Exercises in writing Latin.

Greek.—Thucydides; Antigone of Sophocles.

Mathematics.—Analytical Geometry and Calculus.

Physics.—Ganot's.

Modern Languages.—French; German; Spanish; Italian.

SECOND TERM.

REQUIRED STUDIES:

Mechanics.—Statics; Dynamics.

Philosophy.—Atwater's Logic.

History.—Guizot's History of Civilization.

Themes and Declamation.

ELECTIVE STUDIES:

Mathematics.—Differential and Integral Calculus.

Practical Chemistry.

Ancient Languages.—Latin; Greek.

Modern Languages.—French; German; Spanish;
Italian.

SENIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

Astronomy.—White's.

Geology.—Dana's.

Philosophy.—Hamilton's Metaphysics.

English Literature.—Elements of Criticism.

Themes and Declamation.

ELECTIVE STUDIES:

Modern Languages.—French; German; Spanish;
Italian.

SECOND TERM.

REQUIRED STUDIES:

Mineralogy.—Dana's.

Philosophy.—Jouffroy's Introduction to Ethics; Evidences
of Natural and Revealed Religion.

Political Economy and Constitutional Law.

English Literature.—Elements of Criticism.

Themes and Declamation.

ELECTIVE STUDIES:

Modern Languages.—French; German; Spanish;
Italian.

*Lectures on History, Zoölogy, Botany, Comparative Anatomy,
Physiology, Mineralogy and Geology.*

LECTURES.

Lectures will be delivered in Chemistry, Natural Philosophy, History, English Language and Literature, Ancient Languages and Literature, Comparative Philology, Natural History, Geology, Botany, Comparative Anatomy, Outlines of Constitutional and Commercial Law, Astronomy (with use of Observatory), and other topics, according to the capacity of students for receiving benefit from this mode of instruction.

LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has recently been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

STUDENTS' LITERARY SOCIETY.

The "IRVING UNION" is a voluntary association of the students, for the purpose of mutual improvement by debates and other exercises. It is under the immediate patronage of the Faculty. It has commenced the formation of a library for the special use of its members.

GYMNASIUM.

The students have the free use of the Gymnasium at all hours, when not engaged in study or recitation.

SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academic or Collegiate Department. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

Eight free scholarships (founded by the unconditional donation of \$8,000) have been placed at the disposal of the O'Fallon Polytechnic Institute.

One *perpetual* scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

DEGREES.

The degree of Bachelor of Arts will be granted to those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

VACATIONS.

There will be a winter vacation of eight days at Christmas, and a summer vacation following Commencement. (See calendar.)

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the institution.

TUITION.

The tuition in this Department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term.

III.—O'FALLON POLYTECHNIC INSTITUTE

OR

SCIENTIFIC DEPARTMENT.

FACULTY.

W. G. ELIOT, D.D.

ABRAM LITTON, M.D.

CALVIN M. WOODWARD, A.M.

CHARLES A. SMITH, C.E.

GEORGE B. STONE, A.M.

DENHAM ARNOLD, A.M.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.B.

MARSHALL S. SNOW, A.M.

LEOPOLD NOA.

TRUMAN H. POST, D.D.

J. W. PATTISON. *Teacher of Drawing.*

NOTE.—A new building, 100 feet front by 46 feet depth, and five stories high, is in course of erection on Washington avenue, adjoining the College building, to be completed for use next September. It will be thoroughly furnished and supplied with the best apparatus for instruction in all branches of scientific and technical study.

STUDENTS.

SENIOR CLASS.

NAMES.	RESIDENCES.	
Abadie, Emile Rector	Detroit, Mich.	
Kircher, Wm. F.	Belleville, Ills.	
Ritter, Rudolph, Jr.	Warrenton, Mo.	
Wilson, Elliott Hinckley	Highland, Ills.	
		Total, 4.

JUNIOR CLASS.

Delano, Rufus Judah	1124 N. Twenty-first street.	
D'Oench, Albert Fred.	1201 St. Ange avenue.	
Douglass, Henry Wm.	7 S. Sixteenth street.	
		Total, 3.

SOPHOMORE CLASS.

Abeles, Robert	1515 S. State street.	
Filley, John Dwight	419 N. Sixth street.	
Lovington, Adolphus	East St. Louis.	
Taussig, Hubert	1110 Chouteau avenue.	
		Total, 4.

FRESHMAN CLASS.

Allen, George W.	1414 Lucas Place.	
Brandeis, Alfred H. C.	Louisville, Ky.	
Bürger, Wm. A. S.	1218 N. Seventh street.	
Dorsett, Walter Blackburn	Bridgton, Mo.	
Forster, Conrad Aug.	805 S. Sixth street.	
Gentry, Richard T.	Sedalia, Mo.	
Hirschberg, Francis Devance	1308 Olive street.	
Hoeber, Adolph	1121 St. Ange avenue.	
Holman, Minard L.	Cor. of Page and Spring aves.	
Ilgenfritz, C. Edmund	Sedalia, Mo.	
Jackson, Andrew Milton	1926 Wash street.	
		Total, 11.

SPECIAL STUDENT.

McCoy, L. S.	Kingston, Mo.
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CONDITIONS OF ADMISSION.

Candidates for the Freshman Scientific Class must be sixteen years old, and must have received a good common English education. They must, especially, exhibit a thorough acquaintance with Arithmetic, Algebra (through Quadratics), three books of Chauvenet's Geometry (or an equivalent), and Physical Geography. A knowledge of Physiology, and some acquaintance with German, is very desirable, and both are earnestly recommended to students proposing to enter this Department.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman Year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are, at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see Calendar, page 71); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this Department, will join the Preparatory Scientific Class, in the Academic Department (see page 19).

COURSES OF STUDY.

The regular Courses of Study and Instruction in this Department extend through four years, and are intended to prepare students for professional work, either as Engineers or Chemists. At present the Courses are three in number, viz. :

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.

It is confidently expected that, during the present year, a fourth course in "METALLURGY AND MINING ENGINEERING" will be fully provided for and established. It is hoped, also, that a fifth course in "BUILDING AND ARCHITECTURE" will soon be added.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professional Engineers or Chemists, are not required to adhere strictly to either course, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of Bachelor of Science.

Moreover, special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the Department. The distribution of studies and exercises is substantially as follows :

FRESHMAN CLASS.

FIRST TERM.

Mathematics.—Geometry (Chauvenet's) completed.

Mechanics.—(Wells's) Natural Philosophy.

German.

History.

Free Hand Drawing.

English.—Declamation and Composition.

SECOND TERM.

Mathematics.—Algebra (Greenleaf's Higher) finished.

Physics.—(Ganot's) Pneumatics, Heat, Electricity, and Magnetism.

French.

Free Hand Drawing.

Mechanical Drawing.—Construction of Problems, Uses of Scales, India Ink, &c., Construction of Plates.

Descriptive Geometry.—Orthographic Projections, Problems of Points, Lines, and Planes.

English.—Declamation and Composition.

SOPHOMORE CLASS.

FIRST TERM.

Mathematics.—Plane and Spherical Trigonometry (Chauvenet's).

Physics.—(Ganot continued) Acoustics, Optics, and Meteorology.

Descriptive Geometry.—Warped Surfaces. Intersection of Surfaces.

Theoretical Chemistry.—Fownes's with Lectures.

Free Hand Drawing.

English.—Composition.

SECOND TERM.

Mathematics.—Analytic Geometry (Howison's).

Surveying.—(Gillespie's) Chain and Compass Surveying.
Practice in the Field.

Descriptive Geometry.—Spherical and Isometric Projections.
Perspective.

Practical Chemistry.

Free Hand Drawing.—Machinery and Architecture.

English.—Composition.

I.—Course in Civil Engineering.

JUNIOR CLASS.

FIRST TERM.

Mathematics.—Analytic Geometry continued. Calculus (Courtenay's) commenced.

Descriptive Geometry.—Applications to Masonry, Carpentry,
and Machinery.

Surveying.—Leveling and Transit Surveying, Adjustment, and
Use of Instruments in the Field.

Physics.—Laboratory Practice.

Descriptive Astronomy.—(White's Elements.)

Practical Chemistry.

Drawing.—Models, Arches, &c., Shading.

SECOND TERM.

Mathematics.—Differential and Integral Calculus.

Civil Engineering.—Henck's) Railroad Engineering.

Mechanics.—(Rankine's) Applied Mechanics.

Physics.—Laboratory Practice.

Drawing.—Machines, Profiles, Bridges.

English.—Descriptions of Actual Engineering Operations.

SENIOR CLASS.

FIRST TERM.

Civil Engineering.—(Rankine's Manual of Civil Engineering.)

Mechanics.—(Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.)

Drawing.—Of Constructions from Actual Measurement.

Mineralogy.—(Dana's) with Lectures.

English.—Descriptions as last Term.

SECOND TERM.

Civil Engineering.—Structures of Wood, Stone, and Iron,
Designing, and Computing the parts of Bridges, Roofs, &c.

Mechanics.—Water Wheels, Engines.

Drawing.—Designs of Structures.

Geology.—(Dana's) with Lectures.

Practical Astronomy.—Use of Instruments, Determination of
Time, Latitude, and Longitude.

English.—Graduation Thesis.

II.—Course in Mechanical Engineering.

JUNIOR YEAR.

FIRST TERM.

Mathematics.—Analytic Geometry continued; Calculus (Courtenay's) commenced.

Descriptive Geometry.—Applications to Masonry, Carpentry,
and Machinery.

Machinery.—Cinematics; Principles of Mechanism.

Descriptive Astronomy.—(White's Elements.)

Practical Chemistry.

Physics.—Laboratory Practice.

Drawing.—Machinery and Models.

SECOND TERM.

Mathematics.—Differential and Integral Calculus.

Machinery.—Mechanism of Transmission; Gearing and Teeth
of Wheels.

Mechanics.—(Rankine's Applied Mechanics.)

Physics.—Laboratory Practice.

Drawing.—Machine Drawing continued.

English.—Descriptions of Machinery in Actual Use.

SENIOR YEAR.

FIRST TERM.

Machinery.—Study of different Machines; Strength of Materials.

Mechanics.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)

Drawing.—Of Working Machinery.

Mineralogy.—(Dana's) with Lectures.

English.—Descriptions as previous Term.

SECOND TERM.

Machinery.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

Mechanics.—Theoretical Study of the Prime Movers, Water-wheels and Engines.

Drawing.—Designs of Machines.

Geology.—(Dana's) with Lectures.

English.—Graduation Thesis.

III.—Course in Chemistry.

JUNIOR AND SENIOR YEARS.

Daily instruction in the Laboratory, including—

Qualitative and Quantitative Analysis;

Pharmaceutical Preparations for the Laboratory and Apothecary, and the Methods of determining the Value of Drugs;

Mineral Assays, Metallurgy, Analysis of Soils and Ashes, Examination of Poisons, Use and Value of Manures;

Mineralogy and Geology;

The application of Chemistry to the Arts and Manufactures.

The members of these classes may also continue the study of the German and French Languages with such of the Collegiate or Academic Classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

DEGREES.

A satisfactory completion of any *regular* course in this Department, as above described, entitles the student to a degree.

LECTURES.

The students in the Scientific School have free admission to all Lectures given in the Collegiate Department.

TUITION.

Tuition is the same as in the Collegiate Department. Laboratory fee, \$75 per term. Students in Chemistry, however, will supply themselves at their own expense, with such articles of apparatus as are consumed in using, such as flasks, corks, tubing, lamps, crucibles, etc., together with alcohol and platinum, and gold and silver solutions.

IV.—ELEMENTARY DEPARTMENT

OF THE

O'FALLON POLYTECHNIC INSTITUTE.

In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free Evening Schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the Common School system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct out-growth of the O'Fallon Polytechnic Institute.

During the year 1865, a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school: and when free admission to the College Classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to

make Washington University practically a part of the great American Public School system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization; the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventh streets.

The University Instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has already been commenced, adjoining the College building on Washington avenue, to be completed next September—at a cost, including the ground and the apparatus, of \$100,000—for its permanent use. The preparatory instruction is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

THE TUITION FEES, for instruction at the University buildings, are given at pages 26 and 42.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School. "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose;

POLYTECHNIC INSTITUTE.

and may secure for himself library and advanced educational facilities in one or the other division of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial coöperation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a closer connection with the educational needs of the times. The title of the Polytechnic Building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof, are still included and provided for within the existing organization; and thus they have obtained, at once, what otherwise might have been postponed for an indefinite period, through lack of means.

THE AMES LIBRARY remains as before, except that by its connection with the Public School Library, it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

EVENING SCHOOL AT THE POLYTECHNIC BUILDING.

CORNER OF SEVENTH AND CHESTNUT STREETS.

TEACHERS.

REGIS CHAUVENET.
JOHN A. OWEN.
CHARLES BRANCH.
JOSEPH T. BAILEY.

STUDENTS.

NAMES.

Alewell, Henry
 Ambs, August
 Anderson, Lawrence G.
 Anstedt, Jacob
 Assmann, Henry R.
 Bailey, Frank
 Batchelder, Adolph S.
 Bauer, Adam
 Baul, Cyrus
 Bertsch, Joseph
 Bibb, Charles C.
 Bilharz, Charles
 Brennan, P. J.
 Brinkman, M.
 Brockschmidt, Louis
 Brooks, A. W.
 Buechel, Edward
 Burke, James
 Bush, A. W.
 Charles, D. Q.
 Charles, Joseph S.
 Corcoran, John
 Crecilius, Louis
 Dassler, Edward
 Dellit, Andrew
 Dement, Richard B.
 Dement, Thomas P.
 Diestelkamp, C. H.
 Duffy, James M.
 Duffy, Thomas P.
 Eagan, James R.
 Eberle, Charles
 Eicke, Rudolph
 Evers, Mathew
 Fath, J. Fred.

NAMES.

Feiler, Adolph
 Ferguson, C. W.
 Finigan, Peter
 Fisher, Chas. B.
 Fitzgerald, David
 Frey, Gustav
 Freyschlag, Clinton
 Freyschlag, Edward
 Fuchs, Charles W.
 Gehle, John
 George, Seargeant W.
 Gesell, Charles
 Giesler, Edward
 Gietner, Charles
 Godron, Eugene
 Goebel, Arthur
 Goldsmith, John D.
 Graf, Henry
 Graham, Frank
 Hammer, Frederick
 Hasecoster, John A.
 Herrmann, John P.
 Hickman, B. L.
 Hillebrand, Frank
 Hogan, John
 Hogan, William
 Howe, Alfred
 Huber, Martin
 Humphrey, Samuel
 Jaussen, Ernst
 Jenkins, Samuel
 Jones, Franklin P.
 Jones, John R.
 Judson, Edward W.
 Kauffmann, Samuel

NAMES.

Kauffmann, Solomon M.
 Keleher, P. F.
 Kettenbach, Henry
 Kettenbach, John
 Kiely, Thomas
 Kielsmeier, Henry
 King, Moses
 Klein, Charles
 Klein, David
 Klein, Henry
 Klein, Louis
 Kletzker, Harry A.
 Koken, Ernest E.
 Koken, William
 Krewett, Charles
 Krueger, Adolph
 Larkin, Francis
 Lasar, A. A.
 Lasar, Godfrey H.
 Lauprecht, Oscar
 Leahy, Patrick J.
 Libby, Lyman
 Lockhart, Benjamin F.
 Long, Augustus
 Lyons, Patrick
 Mahood, Edward
 March, Francis
 March, Joseph
 Marx, Henry
 McAuliff, John
 McAuliff, William
 McAuliffe, F. D.
 McAuliffe, John C.
 McConnell, Harry
 Meisinger, G. A.
 Mersman, F. C.
 Mersman, J. J.

NAMES.

Meyer, Hermann
 Meyer, William
 Miltenberger, Joseph
 Moore, George R.
 Mueller, William
 Murphy, B. F.
 Myers, Louis
 Naughtin, James H.
 Norris, John T.
 Obenhaus, Ernest J.
 Osterhorn, Robert
 Patrick, Wm. W.
 Peck, Wm. H.
 Pierce, Albert S.
 Prange, Frank H.
 Puellmann, A. O.
 Raith, Edw. J.
 Raleigh, Cornelius
 Rauch, G. L.
 Rauch, H. D.
 Rausch, Paul
 Reece, William
 Reichenbach, Theodore
 Ritchey, Sanford
 Roeder, Conrad
 Roeder, Frank
 Ryan, Stephen M.
 Ryan, William
 Schallert, John J.
 Schmidt, Adolph
 Schomaker, John
 Schrobach, Theodore
 Schroell, Ferdinand
 Scott, Arthur L.
 Selleck, William C.
 Sheehy, Charles
 Shieber, Joseph A.

NAMES.	NAMES.
Silverstone, J.	St. Vrain, Edmund L.
Simmons, Joseph S.	Toomey, P. J.
Soldan, Frederick	Weber, John F.
Stamm, Ernest	Weber, J. Fred.
Steahl, David	Wenzlich, George
Steahl, Edward	Wilke, William
Steinbach, F. Joseph	Wilson, James M.
Stevenson, Walter	Wright, Frank
Stockton, James R.	Wurm, A. F.
Strauss, Karl	Yandell, Alfred
Strossmann, W. H.	Zoeckler, G. A.

Total, 166.

THE COURSE OF STUDY in the Evening School includes the following subjects:—Higher Arithmetic. Algebra. Geometry, English Grammar, Physics, Line Drawing. Chemistry, and Descriptive Geometry. These have actually been taught, and others are contemplated, whenever any sufficient number of pupils desire them.

THE TERM has been fixed by the Board at five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday, and Friday evenings. The school is open to all persons engaged in some useful employment during the day time, who could pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

V.—LAW DEPARTMENT.

FACULTY.

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of Mo.

ALEXANDER MARTIN, Assistant Professor,

International, Constitutional, Admiralty and Maritime Law; Jurisdiction,
Practice and Proceedings in U. S. Court.

ALBERT TODD.

GEORGE A. MADILL, Assistant Professor,

Law of Real Property.

HON. SAMUEL REBER, Late Judge St. Louis Circuit Court.

History and Science of Law; Equity, and Law of Successions.

HON. JOHN M. KRUM, Late Judge St. Louis Circuit Court.

Pleading, Practice, Evidence, and Criminal Jurisprudence.

HENRY HITCHCOCK, *Dean of the Faculty.*

Law of Contracts; Commercial Law.

GEORGE M. STEWART, *Acting Dean of the Faculty.*

ADVISORY AND EXAMINING BOARD.

PRESIDENT—HON. SAMUEL F. MILLER, Justice of U. S.
Supreme Court.

HON. JOHN F. DILLON, U. S. Circuit Judge.

HON. DAVID WAGNER, Chief Justice of Missouri.

HON. W. B. NAPTON, Late Chief Justice of Missouri.

HON. ARNOLD KREKEL, U. S. Judge, W. District of Mo.

HON. R. E. ROMBAUER, St. Louis Circuit Court.

HON. J. D. S. DRYDEN, Late of Supreme Court of Mo.

HON. JAS. R. LACKLAND, Late Judge St. Louis Cir. Court.

JAMES O. BROADHEAD, Esq.

JOHN R. SHEPLEY, Esq.

SAMUEL T. GLOVER, Esq.

C. C. WHITTELSEY, Esq.

STUDENTS.

SENIOR CLASS.—1870-71.

NAMES.	FROM.	RESIDENCES.
Bond, Joshua H.	St. Louis, Mo.	Jefferson av. nr. La-
Couzens, Phebe W.	St. Louis, Mo.	816 N. 11th st. [fayette.
DeMenil, Alex. N.	St. Louis, Mo.	2d Carondelet av.
Dooly, Silas W.	Washington, D.C.	1005 S. 6th st.
Hart, Henry C., Jr.	St. Louis, Mo.	2813 Locust st.
Hogg, Henry C.	Bloomington, Ill.	2910 Laclede av.
Hoffmire, James	Litchfield, Ill.	105 N. 9th st.
Houston, Wm. T.	St. Louis, Mo.	1118 St. Ange.
Judson, Fred. N.	St. Louis, Mo.	1516 Pine st. 4th.
Kueffen, Wm. C.	Belleville, Ill.	Charles st. bet. 2d and
Martin, Foster T.	St. Louis, Mo.	410 Myrtle st.
Murphy, David	St. Louis, Mo.	11 N. 8th st.
Smith, Willard A.	Rockford, Ill.	2726 Olive st.
Smoot, John D.	Memphis, Mo.	1417 Pine st.
Winfield, Wm. H. H.	Ironton, Mo.	11 N. 8th st.
		Total. 15.

JUNIOR CLASS.

NAMES.	FROM.	RESIDENCES.
Babcock, Madison	St. Louis, Mo.	1015 Compton av.
Byrnes, Samuel	Jefferson Co., Mo.	
Claiborne, J. H. L.	St. Louis, Mo.	1609 Olive st.
Coppinger, J. W. S.	Alton, Ill.	1111 Pine st.
Crowe, George W.	Union, Mo.	
Douglass, John J.	Chester, Ill.	
Long, Wm. P.	St. Louis, Mo.	3133 Gamble av.
McCann, John J.	St. Louis, Mo.	1531 Market st.
Martin, Charles, Jr.	Lincoln Co., Mo.	1001 Pine st.
Mills, Henry E.	St. Louis, Mo.	1015 Compton av.
Nagel, Charles	St. Louis, Mo.	924 6th st.
Niggeman, Albert	St. Louis, Mo.	1316 N. 15th st.

NAMES.	FROM.	RESIDENCE.
O'Gorman, Henry	Carondelet, Mo.	310 S. 5th st.
Rowe, Thomas J.	St. Louis, Mo.	2613 Walnut st.
Smith, Leander	St. Louis, Mo.	311 Chestnut st.
Sullivan, John	St. Louis, Mo.	1130 Jefferson av.
Taussig, Geo. W.	St. Louis, Mo.	1110 Chouteau av.
Tittman, Eugene C.	St. Louis, Mo.	1113 S. 13th st.
Wislizenus, Fred. A.	St. Louis, Mo.	500 S. 5th st.

Total 19.

The Law Department of the University was formally opened on Wednesday, October 16th, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It is believed that the city of St. Louis affords opportunities equal to those of any other city in the Union, for combining practical instruction and theoretic study of the law. In the Courts of none do causes more varied or more important come to be heard than those, civil and criminal, which grow out of the affairs of its large and busy population, its wide-spread trade, its extensive tributary navigation and the vast interests connected therewith, and its peculiar land-titles, involving questions alike of foreign and common law, and special statutory jurisdiction; nor were any questions of constitutional, international or admiralty law, growing out of the late rebellion, more novel or important than some which were adjudicated in its tribunals, and many of which may yet come before them. Nine months in the year are in almost constant session, besides the ordinary municipal and lower courts, the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides those at Common Law and in Equity; the State Circuit and Criminal Courts, and the Supreme (or highest appellate) Court of Missouri, embracing every department of jurisprudence.

All the members of the Law Faculty have long been, and now are, engaged on the Bench or at the Bar, in the daily study and application of legal principles. Such instructors, it is believed, are most likely to possess that fresh and familiar acquaintance with the art as well as science of Law, in the latest phases of

legal thought and judicial inquiry, so needful to those who would prepare for "the occasion sudden, the practice dangerous," of a living and ever-growing profession.

The Faculty proper will have the direct aid and cordial co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will from time to time deliver lectures and hold examinations on special subjects; and only upon a certificate of proficiency from said Board will degrees be conferred.

The full course embraces the subjects above indicated, with appropriate illustrations from the civil and foreign law, and is designed to prepare the student for active professional life. It will occupy two years, one term of six months in each year, commencing on the second Wednesday in October, and excluding the Christmas holidays.

The degree of Bachelor of Laws will be conferred by Washington University upon those who, having attended the full course (two terms), or entering on examination at an advanced stage, and completing the course, shall, on final examination by the Board, receive their certificates of proficiency. Candidates for degrees must announce themselves as such to the Dean at least three months before the close of the term, and must deposit with him, for filing and preservation, at least one month before such close, an original thesis upon some legal topic, selected by the writer and approved by the Faculty. The degree of LL.B., conferred as above, it is understood, will enable the holder, producing the required evidence as to moral character, to obtain a license to practice in the United States and State Courts of Missouri. It must be clearly understood that no one will receive such degree except upon proof of actual proficiency and reasonable fitness to enter upon the grave responsibilities of professional life; nor will it be granted to any person under twenty-one years of age.

Thorough instruction will be given by lectures—oral and written—recitations and examinations, under the several professors, preference being given to that mode of instruction which combines a careful study of the best treatises with familiar practical illustrations of the principles which they expound.

Ample accommodations have been provided in the Polytechnic building, corner of Seventh and Chestnut streets. A carefully selected law library, including the latest editions of the best text books, and several copies of those most needed for reference, has been placed, for the use of the students, free of charge, in the Ames Library of said Institute.

Arrangements have been made by which the text books used can be purchased by the students of the Law School at a reduction from the usual prices.

COURSE OF STUDY.

The following text books will be used by the Junior Class during the next term (1871-72):

Blackstone's Commentaries (Sharswood), Books I., II., III.; Kent's Commentaries (selections); Wheaton's International Law; Conkling's Treatise (Jur. and Pr. U. S. Courts); Parson's Shipping and Admiralty; Story's Equity Jurisprudence; Washburn on Real Property, vol. I.; Stephens on Pleading; Greenleaf on Evidence; Metcalf on Contracts; Parson's Mercantile Law; besides such works as may be used for reference.

Applicants for admission to the Senior Class of 1871-72 will be required to pass a satisfactory examination on the foregoing or equivalent works before the beginning of the term, and should make application in person during the first week of October to the Dean of the Faculty.

The Senior Class will use the following:

Story on the Constitution; Parson's Marine Insurance; Conkling's Admiralty; Story's Equity Pleadings; Kent's Commentaries (selections); Washburn on Real Property; Chitty's Pleading, vol. I.; Greenleaf on Evidence; Tidd's Practice (Troubat's edition—selections); Bishop's Criminal Law; Story on Sales; Edwards on Bills and Notes; Story on Bailments; besides such other works as may be recommended for reference.

Moot courts for practice in the conduct and trial of causes are regularly held, and opinions and discussions oral and written, upon legal questions, will be required of the students during the course. Practical instruction will be given in drafting contracts, wills and conveyances, and in examination of titles.

Applicants for admission to the first or Junior Class (regular course) must be at least nineteen years of age, of good moral character and standing, and have received a good English education.

Applicants for admission at an advanced stage must pass a satisfactory examination upon the studies previously pursued by the class they desire to enter. No student will be admitted in either class after the first week in January; nor will any deduction be made from the regular term fee.

The regular tuition fee for each term will be \$60. payable in advance to S. A. RANLETT, Treasurer of Washington University, at the Provident Savings Institution, 513 Olive street.

Besides the accommodations for boarding usual in cities, it is believed that with many families in the city and suburbs, conveniently accessible by street cars, young men of good habits can obtain board and lodging at \$6 per week and upwards.

While the primary object of this Department is to prepare young men for active professional duties, it is proper to state, in view of repeated inquiries, that persons desiring, for purposes either of business or general culture, to pursue special subjects embraced in the course, as in case of Executors, Trustees, Officers of Corporations, Underwriters, Merchants, etc., etc., may, by special arrangement with the proper Professors, attend lectures on those topics alone.

VI.—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles away from home, for four or five of the most critical years of her life, to be trained by strangers.

The connection of the Seminary with the University will be only such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the Collegiate and Scientific Departments of the University.

BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,
HUDSON E. BRIDGE.
JOHN R. SHEPLEY.

HENRY HITCHCOCK.
GEORGE PARTRIDGE,
CARLOS S. GREELEY.

FACULTY.

CALVIN S. PENNELL, A.M. *Principal.*

Miss FLORENCE FOSTER.

Miss HENRIETTA SAWYER.

Miss MARGARET T. WALLACE.

Miss FLORENCE K. HOLDEN.

Miss SARAH E. COLE.

Miss ELIZABETH A. PENNELL.

Miss MARY E. MACK.

Miss ROSELLA C. JONES.

Miss MARY E. GLIDDEN.

Miss ANNA FLINTHAM.

MADAME LOUISE GRANDJEAN.

Miss HENRIETTE MARIA NOA.

Mrs. KATE JONES BRAINARD.

Mr. J. W. PATTISON.

STUDENTS.

ADVANCED CLASS.

NAMES.	RESIDENCES.
Brooks, Lillie	1216 Pine.
Desloge, Sophie	Benton Place.
Flintham, Anna E.	16 S. Seventh street.
Paddelford, Jeannie	Carondelet.
	Total. 4.

FIRST ACADEMIC CLASS.

Beckham, Carrie	1414 Papin street.
Britton, Fannie	Benton Place.
Litton, Alice W.	2220 Eugenie street.
Manny, Mary J.	2710 Olive street.
Mead, Mary S.	1725 Washington avenue.
Monks, Ella D.	Olive-street road.
Parsons, Julia E.	1211 Washington avenue.
Pennell, Maria F.	1600 Pine street.
Porter, Lizzie S.	1133 Washington avenue.
Runyan, Nannie A.	2725 Chestnut street.
Shackelford, Fannie	1506 Washington avenue.
Tilden, Caroline A.	911 Olive street.
Todd, Mary H.	2710 Morgan street.
	Total. 13.

SECOND ACADEMIC CLASS.

Blaine, Mary	2641 Olive street.
Brother, Sidney H.	1302 Washington avenue.
Bullock, Mamie K.	Columbus, Ky.
Cooper, Aggie W.	1117 Chestnut street.
Desloge, Clara	Benton Place.
Kempland, Sarah E.	4006 Bellefontaine road.
Lewis, Julia	3014 Morgan street.
McCreery, Lavinia H.	922 Olive street.
Mills, Maggie	20 S. Sixteenth street.

NAMES.	RESIDENCES.
Peck, Rebecca A.	614 Locust street.
Plant, Catherine E.	3008 Lucas avenue.
Ricords, Mattie E.	1104 Olive street.
Rychlicki, Mary J.	King's Highway.
Tirrell, Florence R.	1529 Papin street.
Whedon, Katie B.	1121 Washington avenue.
	Total. 15.

THIRD ACADEMIC CLASS.

Balmer, Bertha	1548 Papin street.
Hopkins, Fannie R.	1014 North Nineteenth street.
Johnson, Emilie D.	921 Pine street.
Markham, Mary J.	1526 Olive street.
Menkens, Cecilia E.	1213 Hebert street.
Mudd, Ella W.	525 Myrtle street.
Pallen, Isabella B.	2725 Olive street.
Simon, Lizzie H.	917 Locust street.
Swanwick, Lilly	801 Tayon avenue.
Thamer, Eugenia F.	1709 Salisbury street.
Thamer, Frances D.	1709 Salisbury street.
Woodburn, Ida M.	3024 Belle street.
	Total. 12.

FOURTH ACADEMIC CLASS.

Ballenger, Emma S.	2706 Dayton street.
Boyle, Sallie E.	1622 Pine street.
Breed, Hermione C.	2720 Washington avenue.
Bridge, Mary	Glendale.
Broadhead, Minnie W.	Lafayette avenue.
Carson, Nannie G.	2821 Locust street.
Davis, Mary E.	Cor. Davis and Thirteenth sts.
Farrar, Minnie S.	1316 Washington avenue.
Hopkins, Lulu H.	1014 N. Nineteenth street.
Hull, Clara B.	County street, near Grand ave.
Kellogg, Louise E.	1233 Washington avenue.
Maffitt, Julia M.	605 Olive street.
Maurice, Fannie M.	Park ave., bet. Mo. & Armstrong.
McCreery, Mary J.	922 Olive street.
McLaran, Fannie E.	1628 Lucas Place.

NAMES.	RESIDENCES.
Murphy, Blanche	3415 Washington avenue.
Ranlett, Margaret H.	2670 Washington avenue.
Scollay, Josephine	910 N. Nineteenth street.
Shepley, Julia	1518 Washington avenue.
Swanwick, Nannie	801 Tayon avenue.
Switzer, Mary A.	1725 Washington avenue.
Thompson, Julia H.	1527 Chouteau avenue.
Wilson, Rachel P.	2136 Clark avenue.
	Total, 23.

FIFTH ACADEMIC CLASS.

Balmer, Theresa	1548 Papin street.
Chouteau, Bertha G.	1118 Olive street.
Colcord, Mary E.	2800 Morgan street.
Crane, Nettie F.	Glasgow and Dayton streets.
Dwyer, Mary	2639 Olive street.
Horton, Carrie B.	Lindell, above Grand avenue.
Kennett, Violet M.	619 Locust street.
Kidd, Elizabeth R.	1630 Pine street.
Knapp, Lillie F.	2732 Pine street.
Lionberger, Maggie C.	1601 Olive street.
Morton, Susie J.	Cor. Grand and Shaw avenues.
Petring, Cornelia	1709 Wash street.
Pulsifer, Nellie E.	Kennett Place.
Shackelford, Genevieve	1506 Washington avenue.
Stephenson, Alice V.	Baker, bet. Grand & Spring avs.
Triplett, Mary W.	1631 Chestnut street.
Turner, Nannie T.	1706 Lucas Place.
	Total, 17.

FIRST PREPARATORY CLASS.

Blaine, Sallie C.	2641 Olive street.
Block, Lucretia M.	1600 Pine street.
Brooks, Josie C.	1216 Pine street.
Farrar, Agnes K.	1316 Washington avenue.
Glasgow, Sarah L.	3015 Sheridan avenue
Jennings, Clara G.	1513 Chestnut street.
Jewett, Mary	2918 Morgan street.
Johnson, E. Estella	1120 Locust street.
Liggett, Dollie L.	2921 Locust street.

NAMES.	RESIDENCES.
Lowry, May E.	1703 Washington avenue.
Maffitt, Nancy	605 Olive street.
Maxwell, Lizzie	1833 Wash street.
Pettes, Nellie G.	2812 Locust street.
Powell, Lennie	1021 N. Nineteenth street.
Schuyler, Nellie	2820 Locust street.
Sells, Lizzie	Côté Brilliant.
Sparr, Amy B.	1413 Chestnut street.
Stillwell, Sallie H.	2625 Pine street.
Taylor, Ida R.	1804 Lucas Place.
Turner, Lattie R.	1706 Lucas Place.
Van Studdiford, Maggie	1623 Olive street.

Total. 21.

SECOND PREPARATORY CLASS.

Alleyne, Arabella D.	1903 Carr street.
Bain, C. Louise	1410 Lasalle street.
Brown, Susie F.	614 Walnut street.
Chase, Ida W.	1504 Washington avenue.
Cundall, Fanny	3008 Laclède avenue.
Downs, Julia S.	206 S. Sixteenth street.
Downs, Lizzie T.	206 S. Sixteenth street.
Fagin, Lillie K.	4003 Fagin Pl. Bellefontaine rd.
Gage, Fannie S.	1214 Hebert street.
Glover, Mildred B.	2904 Gamble street.
Grindon, Sophia	2024 Christy avenue.
Hargadine, Julia	1416 Washington avenue.
Heitzeberg, Lizzie	Jefferson av. bet. Cass & O'Fal'n
Jackson, Annie M.	1500 Pine street.
Lackland, Mary S.	1623 Lucas Place.
Libby, Cora	2628 Washington avenue.
Lionberger, Mary	1601 Olive street.
Lowe, Edwina D.	923 Locust street.
Metcalfe, Grace	921 Salisbury street.
Peck, Belle	614 Locust street.
Richards, Grace	1803 Washington avenue.
Rose, Emily	917 S. Second street.
Thornburgh, Sallie L.	Cor. Washington & Grand avs.

Total. 23.

THIRD PREPARATORY CLASS.

NAMES.	RESIDENCES.
Brown, Lillian M.	3021 Sheridan avenue.
Cooper, Grace Susan	1117 Chestnut street.
Day, Anna C.	618 Locust street.
Dryden, Mary C.	Cor. California av. and Miami st.
Glover, Betty M.	2904 Gamble street.
Gregg, Clara	2631 Pine street.
Gwin, Lydia B.	Olive-street road.
January, Laura H.	Ferguson Station.
Johnson, Harriet B.	921 Pine street.
Lackland, Margaret A.	1623 Lucas Place.
Lightner, Mary E.	1637 Washington avenue.
Magwire, Clara A.	Bellefontaine road.
McLaran, Ella F.	1628 Lucas Place.
Moulton, Mellona J.	2614 N. Ninth street.
Pollard, Ida M.	707 N. Nineteenth street.
Powell, Edith	1021 N. Nineteenth street.
Reed, Addie P.	1703 Olive street.
Rose, Ida	917 S. Second street.
Scott, Lulu Q.	3018 Lucas avenue.
Simon, May	917 Locust street.
Spencer, Amy C.	1618 Olive street.
Wall, Lulu	2809 Morgan street.
Wickham, Fanny G.	1712 Lucas Place.
	Total, 23.

FOURTH PREPARATORY CLASS.

Arendt, Fannie C.	3248 Pine street.
Barrett, Mary M.	1426 Lucas Place.
Brainard, Annie M.	2502 Carr street.
Colman, Laura K.	Olive-street road.
Eisenstadt, Jennie	810 N. Eleventh street.
Enders, Margaret E.	1139 St. Ange avenue.
Johnson, Nancy L.	921 Pine street.
Keiler, Elizabeth	1103 Olive street.
McPheeters, Sallie	1000 Olive street.
McPherson, Sophie	McClure and Garrison avenues.
Shepley, Mary Louisa	1518 Washington avenue.

NAMES.	RESIDENCES.
Sparr, Fannie J.	1413 Chestnut street.
Stillwell, Marie	Webster.
Switzer, Eugenia	1725 Washington avenue.
Turner, Jennie	205 S. Summit avenue.
Wight, Alice M.	1905 Carr street.
	Total. 16.

PRIMARY DEPARTMENT.

Allen, Alice Mauo	1414 Lucas Place.
Betts, Carrie	1118 Locust street.
Blossom, May	2715 Washington avenue.
Bridge, Amy	Glendale.
Brown, Mary G.	3021 Sheridan avenue.
Campbell, Cora E.	3102 Morgan street.
Clarkson, Maggie	1601 Olive street.
Cooper, May G.	1117 Chestnut street.
Eliot, Rose	2660 Washington avenue.
Filley, Anna K.	1614 Olive street.
Hargadine, Mary M.	1416 Washington avenue.
Hewitt, May F.	1118 Olive street.
Holmes, Laura	1914 Wash street.
January, Julia C.	1137 Washington avenue.
Jouett, Mary L.	1424 Olive street.
Kimbrough, Katie E.	2730 Morgan street.
Lowry, Levina	1703 Washington avenue.
Markham, Fanny G.	1526 Olive street.
Maurice, Mary Amelia	Park av. bet. Mo. & Armstrong.
McLaran, Mary Alice	1628 Lucas Place.
Owen, Addie C.	Brotherton, Mo.
Richards, Carrie L.	1803 Washington avenue.
Saunders, Mary	1511 Pine street.
Shultz, Mary J.	213 S. Sixteenth street.
Smith, Esther W.	1314 Pine street.
Swainson, Bertha	Jennings Station.
Taylor, Louisa K.	1804 Lucas Place.
Taylor, Mary Theresa	1804 Lucas Place.
Thornton, Sallie H.	1112 Locust street.
Turner, Delphine M.	1706 Lucas Place.
Willis, Lillian S.	1621 Washington avenue.
	Total. 31.

COURSE OF STUDY.

PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

PREPARATORY DEPARTMENT.

FOURTH PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.
Geography.—Warren's Elementary.
Mathematics.—Felter's Primary Arithmetic; Federal Money.
Writing.—Begun and continued through the course.
Drawing.—Begun and continued through the course.
French.—Fasquelle's First Lessons.
Vocal Music.—Begun and continued through the course.

SECOND TERM.

English Language.—Reading and Spelling.
Geography.—Warren's Elementary; Black-board Exercises.
Mathematics.—Felter's Intermediate Arithmetic.
French.—Chouquet's First Lessons; Florian.
Musie.—Elementary instruction continued.

THIRD PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.
Geography.—Warren's Geography, with Oral Instruction and Outline Maps.

Mathematics.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction, continued.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Oral Instruction and Outline Maps.

History.—Read Abbott's Cyrus.

Mathematics.—Written Arithmetic; Oral continued.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction, continued.

SECOND PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Drawing Maps on the Black-board.

History.—Read Abbott's Darius.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—As found in History of the United States.

History.—Read Berard's United States.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

FIRST PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Butler's Grammar.

Physiology.—House I Live in.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

- English Language*.—Reading and Spelling; Butler's Grammar.
History.—Anderson's United States; Geography.
Botany.—Oral Instruction and Analysis.
Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.
French.—Chouquet's First Reader; Florian.
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ACADEMIC DEPARTMENT.

FIFTH ACADEMIC CLASS.

FIRST TERM.

- English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.
Geography.—Map Drawing.
Mathematics.—Oral and Written Arithmetic.
French.—Otto's Grammar; Vinet; La Fontaine.
Music.—Elementary Instructions, continued.
Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

- English Language*.—Reading, Spelling, and Defining.
Grammar.—Analysis of Sentences.
History.—Dickens's History of England, with study of Geography and Biography.
Mathematics.—Written Arithmetic, with written explanations.
French.—Otto's Grammar; Vinet; La Fontaine.
Music.—Elementary Instruction, continued.

FOURTH ACADEMIC CLASS.

FIRST TERM.

- English Language*.—Grammar, reviewed.
History.—Mrs. Markham's France.
Mathematics.—Arithmetic.
Latin.—Harkness's Arnold's First Latin Book; Oral and Written Exercises in Translating English into Latin, throughout the course.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction, continued.

Drawing.—Study of Form by sketching simple objects.

SECOND TERM.

English Language.—Read and Study, a Poem.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic; Algebra begun.

French.—Otto's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

THIRD ACADEMIC CLASS.

FIRST TERM.

English Language.—Historical Shakespeare; Spelling.

History.—General History, with Geography.

Mathematics.—Algebra.

Latin.—Harkness's Grammar and Reader.

Physiology.—Huxley and Younan's.

French.—Chapsal's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

Drawing.—Study of Dimension, in straight lines, angles, and curves.

SECOND TERM.

English Language.—Historical Shakespeare.

Mathematics.—Algebra; Principles of Arithmetic reviewed, with Problems.

Latin.—Grammar and Reader; Caesar.

Natural History.—Botany.

French.—Chapsal's Grammar; La Fontaine; L'Histoire de France.

Drawing.—Study of Form; Sketching.

Music.—Solfeggio Singing and Vocalization.

SECOND ACADEMIC CLASS.

FIRST TERM.

English Language.—Shakespearian Reader.

Mathematics.—Geometry.

Latin.—Sallust; Antiquities.

Physics.—Natural Philosophy.

Rhetoric.—Day's Rhetoric.

French.—Chapsal's Grammar; Littérature Contemporaine; La Fontaine.

Drawing.—Study of Light and Shade; Sketching simple objects.

Music.—Solfeggio Singing and Thorough Bass.

SECOND TERM.

English Language.—Shakespearian Reader; Trench's Study of Words.

Mathematics.—Geometry.

Latin.—Ovid; Cicero; Mythology.

History.—Review United States.

Chemistry.—Rolfe and Gillet's Hand-Book.

French.—Chapsal's Grammar; Littérature Contemporaine; L'Histoire de France.

Drawing.—Study of Light and Shade from simple objects.

Music.—Solfeggio Singing and Thorough Bass.

FIRST ACADEMIC CLASS.

FIRST TERM.

History.—Student's Hume.

Belles-Lettres.—Collier's English Literature.

Geography.—Review.

Astronomy.—Rolfe and Gillet's Hand Book.

Latin.—Æneid, continued.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Theory of Perspective; Sketching.

Music.—Continued.

SECOND TERM.

Latin.—Odes of Horace.

Natural Science.—Tenney's Geology.

Political Science.—Townsend's Analysis.

Mathematics.—Arithmetic reviewed.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Practice of Perspective. by sketching objects.

Music.—Continued.

EXTENDED COURSE.

FIRST YEAR.

FIRST TERM.

History.—Smith's History of Greece.

English Literature.—Fowler's English Grammar; Selected Reading; Themes.

Physical Geography.—Guyot's Earth and Man.

Mathematics.—Trigonometry.*

Natural History.—Agassiz and Gould's Zoölogy.

French.—Literature; Conversation.

Latin. *

Greek. *

German.—Grammar.

Physics.—Silliman's.*

Art.—Drawing from Nature; Biography of Artists.

SECOND TERM.

History.—History of Rome.

English Literature.—Study of Words; Themes.

Philosophy.—Logic; Agassiz's Essay on Classification.

Mathematics.—Surveying and Navigation; * Analytical Geometry.*

Natural History.—Agassiz's Methods of Study in Natural History.

French.—Literature; Conversation.

Latin. *

Greek. *

German.—Maria Stuart; Goethe's Egmont.

Physics.—Silliman's.

Art.—Drawing; History of Schools of Art.

* Studies marked thus * are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

SECOND YEAR.

FIRST TERM.

History.—Student's France.

English Literature.—Schlegel's Dramatic Art and Literature; Themes.

Philosophy.—Hamilton's Metaphysics.

Political Economy.

Vegetable Physiology.—Study of some Common Cryptogamic Plants; Studies with Microscope.

Mathematics.—Calculus.*

French.—Literature; Conversation.

Latin. *

Greek. *

German.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

Physics.—Silliman's.*

SECOND TERM.

History.—Guizot's History of Civilization.

English Literature.—Study of Works; Themes.

Philosophy.—Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

Astronomy.

Mathematics.—Mechanics.*

Physics.—Study of Correlation of Force.

French.—Literature; Conversation.

Latin. *

Greek. *

German.—Lessing.

Chemistry.—Fowne's Chemistry, with Lectures.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

TUITION.

Primary Department, per term of 20 weeks.....	\$35 00
Fourth Preparatory Class, " "	40 00
Third " " " "	45 00
Second " " " "	50 00
First " " " "	50 00
Fifth Academic " " " "	55 00
Fourth " " " "	60 00
Third " " " "	70 00
Second " " " "	80 00
First " " " "	80 00
Advanced " " " "	80 00

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

 BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal, or to any of the Faculty.

S U M M A R Y .

ACADEMIC DEPARTMENT	293
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O'FALLON POLYTECHNIC INSTITUTE.....	23
ELEMENTARY DEPARTMENT OF POLYTECHNIC INSTITUTE..	166
LAW DEPARTMENT	34
MARY INSTITUTE.....	198
Total.....	747

UNIVERSITY CALENDAR.

1870-'71.

First Term begins Monday, September 12, 1870.
 Thanksgiving Day, Thursday, November 24, 1870.
 Winter Vacation, December 24, 1869, to Jan. 2, 1871, inclusive.
 Semi-Annual Examination, January 23-27, 1871.
 Second Term begins Monday, January 30, 1871.
 Anniversary Exhibition, Wednesday, February 22, 1871.
 Alumni Meeting, Thursday, March 2, 1871,
 Holiday (see page 34), Friday, May 12, 1871.
 Senior Examination, June 1-2, 1871.
 Annual Examination, June 7-14, 1871.
 Commencement, Thursday, June 15, 1871.
 Summer Vacation.

1871-'72.

First Term begins Monday, September 11, 1871.
 Thanksgiving Day.
 Winter Vacation, December 23, 1871, to Jan. 1, 1872, inclusive.
 Semi-Annual Examination, January 22-26, 1872.
 Second Term begins January 29, 1872.
 Anniversary Exhibition, Thursday, February 22, 1872.

LIST OF GRADUATES.

GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked.]

1862.

HENRY MARTIN ANDERSON.
CHARLES BRANCH, A.M.
HENRY BRANCH, A.M.
REGIS CHAUVENET, A.M.
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.
JOHN TILDEN DAVIS.
WILLIAM RHIND DONALDSON.
HENRY WARE ELIOT.
OSCAR WILLIAM GAUSS.
NATHANIEL GRAY SMITH HART.
CHESTER HARDING KRUM.
THOMAS KEITH SKINKER.
*JAMES STATT'S WATERS.

1864.

GEORGE WEBER CUTTER, A.M.
CHARLES EDWARD ILLSLEY, A.M.
JOHN HERAN KERCHIEVAL.
JOHN GEORGE DAVID KNIGHT, A.M.
WILLIAM ELIOT SMITH, A.M.

*Deceased. February 28, 1869.

1865.

HENRY GARDINER BLAKE.
FREDERICK JULIUS CASTELHUN, A.M.
WILLIAM T. GLASGOW.

1866.

*THOMAS FASSIT COLLIER.
CHARLES FLETCHER HAZARD.
JOSEPH NORWOOD LITTON.
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.
ALEXANDER GILL DONALDSON.
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK.
FREDERICK MORGAN CRUNDEN.
HARVEY HALE DELANO.
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP.
CHARLES MANNING LITTON.
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.
DAVID ROWLAND FRANCIS.
DAVID GOLDSMITH.
GEORGE WASHINGTON TAUSSIG.
LOUIS WILLIAM TEUTEBERG.*
FRED. AUGUSTUS WISLIZENUS.

GRADUATES IN SCIENCE.

1866.

EDWARD SINGLETON HOLDEN, B.S.
REGIS CHAUVENET, B.S.

*Deceased July 15, 1868.

1870.

*THOMAS J. CALDWELL.

*EUGENE B. JONES.

GRADUATES IN LAW.

1869.

MAURICE D. COLLIER.

DANIEL DILLON.

JAMES S. GARLAND.

WILLIAM E. HALL.

JOHN H. NICHOLSON.

JOHN P. PLAYER.

GIFFORD S. ROBINSON.

CHARLES H. SEE.

PHILIP SUTHERLAND.

PETER J. TAAFFE.

JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY.

LEWIS E. BEACH.

NATHANIEL C. DRYDEN.

EDWARD P. McCARTY.

WILLIAM T. MARSH.

OTTO W. MEYSENBERG.

RICHARD H. NORTON.

ALFRED A. PANSON.

WILLIAM T. RICHMOND.

HONORARY GRADUATES.

1862—JOHN E. SINCLAIR, A.M.

1866—THOMAS METCALF, A.M.

* These gentlemen completed satisfactorily their course in Civil Engineering, but, as they have not yet handed in the "Graduation Theses" required, they are not entitled to the degree of Civil Engineer.

NOTE.

At the annual meeting of the Alumni, held March 2, 1871, it was announced by Thomas Allen, Esq., (President of the Missouri Iron Mountain Railroad Company,) that, if acceptable to the University, he stood ready to endow a Professorship of "Mining and Metallurgy," with a fund of \$40,000, to date from September 1, of this year.

This offer is most gratefully accepted, and the Professorship will be filled at the beginning of next term. It gives a degree of completeness to the scientific course of study which enables the University to meet the most urgent demands of the time. A special course of "Mining and Metallurgy" will immediately be arranged.

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A SUPPLEMENTARY
CATALOGUE

OF

WASHINGTON UNIVERSITY,

WITH A GENERAL DESCRIPTION OF THE APPARATUS USED

AND THE

METHODS OF INSTRUCTION FOLLOWED.

&c., &c.



ST. LOUIS:
E. F. HOBART & CO., PRINTERS, 704 CHESTNUT STREET.
1871.

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WILLIAM G. ELIOT.

VICE PRESIDENT :

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OFFICERS

OF

GOVERNMENT AND INSTRUCTION.

	RESIDENCE.
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—————, Wayman Crow Professor of Physics.	
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CALVIN M. WOODWARD, A. M., Thayer Pro- fessor of Mathematics and Applied Mechanics and Dean of Polytechnic Department.	1501 Chestnut st.
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LEOPOLD NOA, Professor of Ancient and Mod- ern Languages.	2739 Morgan st.

FACULTY AND INSTRUCTORS.

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WM. B. POTTER, M. E., Allen Professor of Mining and Metallurgy.	
DENHAM ARNOLD, A. M., Assistant Professor of Physics, and Vice-Principal of the Academic Department.	2643 Washington av.
CHAS. A. SMITH, C. E., Assistant Professor of Civil and Mechanical Engineering.	1428 Poplar st.
FRED. M. CRUNDEN, A. B., Instructor in Mathematics and Elocution.	1428 Poplar st.
T. R. VICKROY, A. M., Teacher of Third Academic.	
JOHN H. JENKS, Teacher of German.	213 S. Fifth st.
HIRAM L. PEET, A. B., Teacher in Academic Department.	
ISAAC N. CUNDALL, A. M., Teacher of Fourth Academic.	3008 Laclede av.
WALTER WYMAN, A. B., Teacher of Fifth Academic.	Lindell and Grand avs.
J. W. PATTISON, Teacher of Drawing.	2726 Olive st.
WALDEMAR MALMENE, M. B. CANTAB, Teacher of Vocal Music.	1631 Washington av.
MRS. ANNA C. HILLMAN, Teacher of English Branches.	
MISS INEZ E. BORDEN, Assistant Teacher in Preparatory Department.	1016 N. 17th st.
MISS AMANDA FORD, Principal of Primary School.	1016 N. 17th st.
MISS LIZZIE W. LEIGH, Assistant Teacher in Primary School.	3127 Thomas st.

LAW DEPARTMENT.

HON. SAMUEL TREAT, A. M.,	1114 Pine street.
ALBERT TODD, A. M.,	Park av., w. Lafayette Park.
HON. SAMUEL KEBER, A. M.,	2206 Olive street.

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HON. JOHN M. KRUM,	1107 Washington avenue.
ALEXANDER MARTIN, A. M.,	Southern Hotel.
GEORGE A. MADILL, A. M.,	2347 Market street.
HENRY HITCHCOCK, A. M.,	1507 Lucas Place.
GEO. M. STEWART,	618 Olive street.

MARY INSTITUTE.

CALVIN S. PENNELL, A. M., Principal.	1600 Pine street.
Miss FLORENCE FOSTER, Instructor in Latin and Natural Sciences.	1621 Olive street.
Miss HENRIETTA SAWYER, Principal of Preparatory Department.	2839 Olive street.
Miss MARGARET T. WALLACE, Principal of Primary Department.	2926 Laclede av.
Miss FLORENCE K. HOLDEN, Instructor in Mathematics.	107 N. 8th street.
Miss SARAH E. COLE, Instructor in Natural Sciences and German.	1228 Washington av.
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Miss ROSELIA C. JONES, Teacher of English Branches.	1613 Washington av.
Miss MARY E. GLIDDEN, Teacher of Reading and Composition.	1228 Washington av.
Miss OSGOOD, Teacher of English Branches.	
Miss ANNA FLINTHAM, Assistant Teacher of English Branches.	S. 7th street.
MADAME LOUISE GRANDJEAN, Teacher of French.	1312 Poplar street.
Miss HENRIETTA MARIA NOA, Teacher of German and Gymnastics.	2739 Morgan street.
Mrs. KATE J. BRAINARD, Teacher of Vocal and Instrumental Music.	2502 Carr street.

GENERAL STATEMENT.

WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of practical and scientific life.

By the Eighth Article of the Constitution, "no instruction either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other offices of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received."

The present members of the Corporation have no sectarian purpose to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter.

The amount of funds needed for the establishment and proper endowment of a University is far greater than is generally supposed. To secure the best talent, competent salaries must be paid, and the best aids of education, apparatus, libraries, buildings, &c., must also be supplied. At the same time, the rates of tuition must be kept down so as to open the institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes *nearly a million dollars* have been spent. The result is a University which, although young, does not hesitate to claim the support of St. Louis, and the whole West. Certainly there is now no need of going abroad for educational facili-

ties of the best kind. With our excellent systems of public schools, upon which, after all, all institutions for higher education must mainly depend, and on which, as their foundation, they must build, and our thoroughly organized and successful colleges and professional schools, St. Louis and Missouri can rightfully demand of citizens that they shall practically endorse and encourage their home educational institutions.

Notwithstanding the past liberality of the friends of the University, and its remarkably rapid progress, the increasing expenses of advanced education are so great that our income is yet far below the demands of the time.

WESTERN SANITARY COMMISSION FREE SCHOLARSHIPS.

A Trust Fund of \$30,000 has been accepted by the University, from the above named Commission, for the establishment of TWENTY FREE SCHOLARSHIPS, in the Collegiate or Scientific Departments, to be filled by children or descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School, or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straightened circumstance, and no student will be accepted or continued who is not of good moral character, or who fails to comply with the rules of the Institution.

Several appointments have already been made.

WESTERN SANITARY COMMISSION SUSTENTA- TION FUND.

From the same source a Sustentation Trust Fund of \$10,000 has been accepted, the income from which will be expended for the aid of students in straightened circumstances, giving preference always to descendants of Union soldiers, as above.

ORGANIZATION.

The University consists of five distinct Departments :

- I. THE ACADEMIC DEPARTMENT.
- II. THE MARY INSTITUTE.
- III. THE COLLEGE.
- IV. THE POLYTECHNIC DEPARTMENT.
- V. THE LAW SCHOOL.

The first is essentially a preparatory school, fitting students for the higher departments. Each department has an organization of its own, and each is under the charge of a Principal, or a Faculty of Professors. Students entering the Polytechnic Department and the Law School are not required to be college graduates, but they are recommended to secure as fully as possible the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic Department without examination.

The following are the Officers and Faculties, and Courses of Study, &c., of the various Departments :

I.—ACADEMIC DEPARTMENT.

FACULTY AND INSTRUCTORS.

GEORGE B. STONE, A. M.,

PRINCIPAL.

DENHAM ARNOLD, A. M.,

VICE-PRINCIPAL.

SYLVESTER WATERHOUSE, A. M.

CALVIN M. WOODWARD, A. M.

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WALDEMAR MALMENE.

ANNA C. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the Collegiate and Polytechnic Departments* of the University.

ACADEMIC COURSE OF STUDY.

FOURTH CLASS.

Mathematics.—Felter's Arithmetic, and Stoddard's Intellectual Arithmetic.

Geography.—Warren's Common School.

History.—Anderson's.

English Grammar.—Green's Introductory.

Latin.—Harkness's Introductory Latin Book.

Reading, Writing and Spelling; Composition.

THIRD CLASS.

FIRST TERM.

Mathematics.—Felter's Arithmetic; Stoddard's Intellectual Arithmetic.

Latin.—Harkness's Introductory Latin Book.

English Grammar.—Parsing and Analysis.

Reading, Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Felter's Arithmetic.

Grammar.—Parsing and Analysis.

Latin.—Harkness's Latin Reader.

Reading, Writing and Spelling; Composition and Declamation.

*See recommendation as to professional students on page (9).

SECOND CLASS.

FIRST TERM.

Geography.—Warren's Physical Geography.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Walton's Higher Arithmetic.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

FIRST CLASS.

FIRST TERM.

Physiology.—Hitchcock's.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book; Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Otto's German Grammar.

Composition and Declamation.

SECOND TERM.

Mathematics.—Greenleaf's Algebra.

Latin.—Æneid of Virgil.

Greek.—Felton's Greek Reader.

History.—White's Landmarks of English History.

German.—Evans's Otto's Reader.

Composition and Declamation.

ADVANCED CLASS.

FIRST TERM.

Latin.—Æneid and Bucolics of Virgil.

Greek.—Felton's Greek Reader; Greek Composition.

Mathematics.—Greenleaf's Algebra.

German.—Maria Stuart.

Composition and Declamation.

ADVANCED CLASS.

SECOND TERM.

Latin.—Cicero's Oration ; Latin Prose Composition.

Greek.—Anabasis ; Greek Prose Composition.

Mathematics.—Chauvenet's Geometry, three books.

German.—William Tell.

Composition and Declamation.

PREPARATORY SCIENTIFIC CLASS.

FIRST TERM.

Arithmetic.—Walton's Higher.

Algebra.—Greenleaf's Elementary.

Physical Geography.—Warren's.

German.—Otto's Grammar.

History.—Anderson's.

Drawing, Composition and Declamation.

SECOND TERM.

Algebra.—Greenleaf's Elementary ; through Quadratics.

Geometry.—Chauvenet's, three books.

Physiology.—Hitchcock's.

History.—White's Landmarks.

German.—Evans's Otto's Reader.

Drawing, Composition and Declamation.

COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed un-

der the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academic Department.

GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of this Department.

EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

TUITION.

Primary Class, per term of 20 weeks.....	\$25 00
Preparatory " " "	30 00
Fourth " " "	35 00
Third " " "	37 50
Second " " "	40 00
First " " "	42 50
Advanced " " "	45 00
Commercial " " "	50 00
Preparatory Scientific, per term of 20 weeks.....	50 00

These rates are for the current year only.

No extra charges of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

NUMBER OF STUDENTS.

The number of students in this Department during the year 1870-1 was 293. The number of graduates was 24, of whom 11 entered College, and 10 entered the Polytechnic Department.

II—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles away from home, for four or five of the most critical years of her life, to be trained by strangers.

The connection of the Seminary with the University will be only such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the Collegiate and Polytechnic Departments of the University.

BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,
HUDSON E. BRIDGE,
JOHN R. SHEPLEY,

HENRY HITCHCOCK,
GEORGE PARTRIDGE,
CARLOS S. GREELEY.

FACULTY.

CALVIN S. PENNELL, A.M., Principal,
MISS FLORENCE FOSTER.
MISS HENRIETTA SAWYER.
MISS MARGARET T. WALLACE.
MISS FLORENCE K. HOLDEN.
MISS SARAH E. COLE.
MISS ELIZABETH A. PENNELL.
MISS MARY E. MACK.
MISS ROSELLA C. JONES.
MISS MARY E. GLIDDEN.
MISS ANNA FLINTHAM.
MISS OSGOOD.
MADAME LOUISE GRANDJEAN.
MISS HENRIETTE MARIA NOA.
MRS. RATE JONES BRAINARD.
MR. J. W. PATTISON.

COURSE OF STUDY.

PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

PREPARATORY DEPARTMENT.

FOURTH PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Elementary.

Mathematics.—Felter's Primary Arithmetic; Federal Money.

Writing.—Begun and continued through the course.

Drawing.—Begun and continued through the course.

French.—Fasquelle's First Lessons.

Vocal Music.—Begun and continued through the course.

SECOND TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Elementary; Black-board Exercises.

Mathematics.—Felter's Intermediate Arithmetic.

French.—Chouquet's First Lessons; Florian.

Music.—Elementary instruction, continued.

THIRD PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Geography, with Oral Instruction and Outline Maps.

Mathematics.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction, continued.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Oral Instruction and Outline Maps.

History.—Read Abbott's Cyrus.

Mathematics.—Written Arithmetic; Oral continued.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction, continued.

SECOND PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Drawing Maps on the Black-board.

History.—Read Abbott's Darius.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—As found in History of the United States.

History.—Read Berard's United States.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

FIRST PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Butler's Grammar.

Physiology.—House I Live in.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading and Spelling; Butler's Grammar.

History.—Anderson's United States; Geography.

Botany.—Oral Instruction and Analysis.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

French.—Chouquet's First Reader; Florian.

ACADEMIC DEPARTMENT.

FIFTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Definitions and Sentences; Grammar.

Geography.—Map Drawing.

Mathematics.—Oral and Written Arithmetic.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instructions, continued.

Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

English Language.—Reading, Spelling, and Defining.

Grammar.—Analysis of Sentences.

History.—Dickens's History of England, with study of Geography and Biography.

Mathematics.—Written Arithmetic, with written explanations.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction, continued.

FOURTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Grammar, reviewed.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic.

Latin.—Harkness's Arnold's First Latin Book; Oral and Written Exercises in Translating English into Latin, throughout the course.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instructions, continued.

Drawing.—Study of Form by sketching simple objects.

SECOND TERM.

English Language.—Read and Study a Poem.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic; Algebra begun.

French.—Otto's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

THIRD ACADEMIC CLASS.

FIRST TERM.

English Language.—Historical Shakespeare; Spelling.

History.—General History, with Geography.

Mathematics.—Algebra.

Latin.—Harkness's Grammar and Reader.

Physiology.—Huxley and Youman's.

French.—Chapsal's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

Drawing.—Study of Dimension, in straight lines, angles, and curves.

SECOND TERM.

English Language.—Historical Shakespeare.

Mathematics.—Algebra; Principles of Arithmetic reviewed, with Problems.

Latin.—Grammar and Reader; Caesar.

Natural History.—Botany.

French.—Chapsal's Grammar; La Fontaine; L'Histoire de France.

Drawing.—Study of Form; Sketching.

Music.—Solfeggio Singing and Vocalization.

SECOND ACADEMIC CLASS.

FIRST TERM.

English Language.—Shakespearian Reader.

Mathematics.—Geometry.

Latin.—Sallust; Antiquities.

Physics.—Natural Philosophy.

Rhetoric.—Day's Rhetoric.

French.—Chapsal's Grammar; Littérature Contemporaine; La Fontaine.

Drawing.—Study of Light and Shade; sketching of simple objects.

Music.—Solfeggio Singing and Thorough Bass.

SECOND TERM.

English Language.—Shakespearian Reader; Trench's Study of Words.

Mathematics.—Geometry.

Latin.—Ovid; Cicero; Mythology.

History.—Review United States.

Chemistry.—Rolfe and Gillet's Hand-Book.

French.—Chapsal's Grammar; Littérature Contemporaine; L'Histoire de France.

Drawing.—Study of Light and Shade from simple objects.

Music.—Solfeggio Singing and Thorough Bass.

FIRST ACADEMIC CLASS.

FIRST TERM.

History.—Student's Hume.

Belles-Lettres.—Collier's English Literature.

Geography.—Review.

Astronomy.—Rolfe and Gillet's Hand Book.

Latin.—Æneid.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Theory of Perspective; Sketching.

Music.—Continued.

SECOND TERM.

Latin.—Odes of Horace.

Natural Science.—Tenney's Geology.

Political Science.—Townsend's Analysis.

Mathematics.—Arithmetic reviewed.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Practice of Perspective by sketching objects.

Music.—Continued.

EXTENDED COURSE.

FIRST YEAR.

FIRST TERM.

History.—Smith's History of Greece.

English Literature.—Fowler's English Grammar; Selected Reading; Themes.

Physical Geography.—Guyot's Earth and Man.

Mathematics.—Trigonometry.*

Natural History.—Agassiz and Gould's Zoölogy.
French.—Literature; Conversation.
Latin.^{*}
Greek.^{*}
German.—Grammar.
Physics.—Silliman's.^{*}
Art.—Drawing from Nature; Biography of Artists.

SECOND TERM.

History.—History of Rome.
English Literature.—Study of Words; Themes.
Philosophy.—Logic; Agassiz's Essay on Classification.
Mathematics.—Surveying and Navigation; * Analytical Geometry.*
Natural History.—Agassiz's Methods of Study in Natural History.
French.—Literature; Conversation.
Latin.^o
Greek.^o
German.—Maria Stuart; Goethe's Egmont.
Physics.—Silliman's.
Art.—Drawing, History of Schools of Art.

SECOND YEAR.

FIRST TERM.

History.—Student's France.
English Literature.—Schlegel's Dramatic Art and Literature; Themes.
Philosophy.—Hamilton's Metaphysics.
Political Economy.
Veg-etab'le Physiology.—Study of some Common Cryptogamic Plants;
 Studies with Microscope.
Mathematics.—Calculus.*
French.—Literature; Conversation.
Latin.^{*}
Greek.^{*}
German.—Goethe's Iphigenia auf Tauris; Goethe's Faust.
Physics.—Silliman's.*

* Studies marked thus * are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the college classes. In the regular course the pupil may take both German and French, or may choose between them.

SECOND TERM.

History.—Guizot's History of Civilization.

English Literature.—Study of Words; Themes.

Philosophy.—Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

Astronomy.

Mathematics.—Mechanics.*

Physics.—Study of Correlation of Force.

French.—Literature; Conversation.

Latin.*

Greek.*

German.—Lessing.

Chemistry.—Fowne's Chemistry, with Lectures.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

TUITION.

Primary Department, per term of 20 weeks.....	\$35 00
Fourth Preparatory Class " "	40 00
Third " " "	45 00
Second " " "	50 00
First " " "	50 00
Fifth Academic " "	55 00
Fourth " " "	60 00
Third " " "	70 00
Second " " "	80 00
First " " "	80 00
Advanced " "	80 00

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal, or to any of the Faculty.

GYMNASIUM.

A suitable Gymnasium for open air exercise has been provided. Systematic instruction is given by Miss Henrietta Noa in Callisthenics.

NUMBER OF PUPILS.

The whole number of students in this Department last year was 198. The number of young ladies who graduated was 12.

III—COLLEGIATE DEPARTMENT.

FACULTY.

W. G. ELIOT, D.D.
ABRAM LITTON, M.D.
TRUMAN M. POST, D. D.
CALVIN S. PENNELL, A. M.
SYLVESTER WATERHOUSE, A. M.
GEO. B. STONE, A. M.
CALVIN M. WOODWARD, A. M.
GEORGE E. JACKSON, A. M.
MARSHALL S. SNOW, A. M.
LEOPOLD NOA.
HENRY POMEROY, A. M.
WM. EIMBECK, U. S. C. S.
WM. B. POTTER, M. E.
DENHAM ARNOLD, A. M.
CHAS. A. SMITH, C. E.
F. M. CRUNDEN, A. B.

ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books:

LATIN.

Cæsar's Commentaries; the *Buccolics*, and the *Æneid* of Virgil, to Book VII; Cicero's *Select Orations*, Folsom's or Johnson's edition; Andrews' and Stoddard's *Grammar*, including prosody; *Writing Latin*.

GREEK.

Colton's or Felton's Reader; Crosby's Grammar, including prosody; Writing Greek with the accents.

MATHEMATICS.

Walton's Arithmetic; Greenleaf's Algebra; Chauvenet's Geometry, three books.

GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Outlines of Universal History.

NOTE.—Instead of the prescribed text books, equivalents will be accepted.

TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the Collegiate Department will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of the Summer Term in June, and at the commencement of the Fall Term in September; but persons may be examined for an advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academic Department of the University must produce, before examination, proper testimonials of a good moral character; and, if from another college, a certificate of dismissal in good standing.

COURSE OF STUDY.

FRESHMAN CLASS.

FIRST TERM.

Latin.—Lincoln's Livy; Exercises in writing Latin.

Greek.—Felton's Greek Historians (Herodotus); Exercises in writing Greek; Crosby's Grammar.

Elementary Ethics.

Mathematics.—Chauvenet's Geometry.

History.—Smith's smaller History of Greece.

French.—French Grammar.

Themes and Declamation.

SECOND TERM.

Latin.—Horace; Roman Antiquities; Exercises in writing Latin.

Greek.—Panegyricus of Isocrates; Homer's Odyssey; Exercises in writing Greek.

Mathematics.—Higher Algebra.

History.—Smith's smaller History of Rome.

English Literature.—History of English Literature.

French.—Télèmaque.

German.—Schiller's Maria Stuart.

Themes and Declamation.

SOPHOMORE CLASS.

FIRST TERM.

Latin.—Cicero's Tusculan Disputations; Exercises in writing Latin.

Greek.—Demosthenes de Corona; Exercises in writing Greek.

Mathematics.—Chauvenet's Trigonometry.

History.—Student's Hume.

French.—Histoire de Charles XII; Translation; Grammar.

German.—Grammar; Wieland.

Themes and Declamation.—

SECOND TERM.

REQUIRED STUDIES:

Latin.—Juvenal; Terence, or Plautus; Exercises in writing Latin.

Mathematics.—Analytical Geometry.

Physics.—Ganot's.

French.—Grammar; Fables de la Fontaine; Composition.

German.—Goethe's Egmont.

Themes and Declamation.

ELECTIVE STUDIES:

Greek.—Alcestis of Euripides; Prometheus of Aeschylus; Exercises in writing Greek.

History.—Student's Hume.

JUNIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

- Chemistry*.—Roscoe's.
History.—Student's France.
Rhetoric.—Whateley's.
Themes and Declamation.

ELECTIVE STUDIES:

- Latin*.—Tacitus or Quintilian; Exercises in writing Latin.
Greek.—Thucydides; Antigone of Sophocles.
Mathematics.—Analytical Geometry and Calculus.
Physics.—Ganot's.
Modern Languages.—French; German; Spanish; Italian.

SECOND TERM.

REQUIRED STUDIES:

- Mechanics*.—Statics; Dynamics.
Philosophy.—Atwater's Logic.
History.—Guizot's History of Civilization.
Themes and Declamation.

ELECTIVE STUDIES:

- Mathematics*.—Differential and Integral Calculus.
Practical Chemistry.
Ancient Languages.—Latin; Greek.
Modern Languages.—French; German; Spanish; Italian.

SENIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

- Astronomy*.—White's.
Geology.—Dana's.
Philosophy.—Hamilton's Metaphysics.
English Literature.—Elements of Criticism.
Themes and Declamation.

ELECTIVE STUDIES;

- Modern Languages*.—French; German; Spanish; Italian.

SECOND TERM.

REQUIRED STUDIES:

Mineralogy.—Dana's.

Philosophy.—Jouffroy's Introduction to Ethics; Evidences of Natural and Revealed Religion.

Political Economy and Constitutional Laws.

English Literature.—Elements of Criticism.

Themes and Declamation.

ELECTIVE STUDIES:

Modern Languages.—French; German; Spanish; Italian.

LECTURES.

Lectures will be delivered in Chemistry, Natural Philosophy, History, English Language and Literature, Ancient Languages and Literature, Comparative Philology, Natural History, Geology, Botany, Comparative Anatomy, Outlines of Constitutional and Commercial Law, Astronomy (with use of Observatory), and other topics, according to the capacity of students for receiving benefit from this mode of instruction.

LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has recently been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of this Department as may be designated by the Chancellor. The privilege will be especially conferred upon the meritorious students.

STUDENTS' LITERARY SOCIETY.

The "IRVING UNION" is a voluntary association of the students, for the purpose of mutual improvement by debates and other exercises. It is under the immediate patronage of the Faculty. It has commenced the formation of a library for the special use of its members.

GYMNASIUM.

A gymnasium for the exclusive use of the students of this and the Polytechnic Department and the professors, will soon be erected on the grounds of the University. It will contain a bowling-alley and the ordinary apparatus for gymnastic exercise. No charge for the use of the alley or gymnasium.

SCHOLARSHIPS.

The payment of one thousand dollars entitles the contributor to found a scholarship, under which he may send one pupil each year, for twenty-five years, to the Academic, Collegiate or Polytechnic Department. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

One perpetual scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

DEGREES.

The degree of Bachelor of Arts will be conferred upon those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

VACATION.

There will be a winter vacation of eight days at Christmas, and a summer vacation following the Commencement. (See calender.)

A handsome bequest has been received from a lady, with the condition that the second Friday of May shall be a perpetual holiday in the institution.

TUITION.

The tuition in this Department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term.

IV.—O'FALLON POLYTECHNIC INSTITUTE .

OR

POLYTECHNIC DEPARTMENT.

FACULTY.

W. G. ELIOT, D. D.

ABRAM LITTON, M. D.

CALVIN M. WOODWARD, A. M., *Dean*.

WM. POTTER, M. E.

CHARLES A. SMITH, C. E.

WM. EIMBECK, U. S. C. S.

GEORGE B. STONE, A. M.

DENHAM ARNOLD, A. M.

HENRY POMEROY, A. M.

FRED. M. CRUNDEN, A. B.

MARSHALL S. SNOW, A. M.

LEOPOLD NOA.

TRUMAN H. POST, D. D.

J. W. PATTISON.

CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be sixteen years old, and must have received a good common English education. They must, especially, exhibit a thorough acquaintance with Arithmetic, Algebra (through Quadratics), three books of Chauvenet's Geometry (or an equivalent), and Physical Geography. A knowledge of Physiology, and some acquaintance with German, is very desirable, and both are

earnestly recommended to students proposing to enter this Department. Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman Year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are, at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see Calendar, page); but students will be received at any time, provided they are prepared to enter existing classes. Candidates for this Department for the coming term should present themselves at the University Building, Washington Avenue and Seventeenth Street, on Saturday Sept. 9, at eight A. M. Students not qualified to enter this Department, will join the Preparatory Scientific Class, in the Academic Department (see page 13.)

COURSES OF STUDY.

The regular Courses of Study and Instruction in this Department extend through four years, and are intended to prepare students for professional work, either as Engineers or Chemists. At present the Courses are four in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.

It is hoped that a fifth course in "BUILDING AND ARCHITECTURE" will soon be added.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professional Engineers or Chemists, are not required to adhere strictly to either course, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of Bachelor of Science.

Moreover, special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the Department. The distribution of studies and exercises is substantially as follows:

FRESHMAN CLASS.

FIRST TERM.

Mathematics.—Geometry (Chauvenet's) completed.

Mechanics.—(Well's) Natural Philosophy.

German.

History.

Free Hand Drawing.

English.—Declamation and Composition.

SECOND TERM.

Mathematics.—Algebra (Greenleaf's Higher) finished.

Physics.—(Ganot's) Pneumatics, Heat, Electricity, and Magnetism.

French.

Free Hand Drawing.

Mechanical Drawing.—Construction of Problems, Uses of Scales, India Ink, &c., Construction of Plates.

Descriptive Geometry.—Orthographic Projections, Problems of Points, Lines, and Planes.

English.—Declamation and Composition.

SOPHOMORE CLASS.

FIRST TERM.

Mathematics.—Plane and Spherical Trigonometry (Chauvenet's.)

Physics.—(Ganot continued) Acoustics, Optics, and Meteorology.

Descriptive Geometry.—Warped Surfaces, Intersection of Surfaces.

Theoretical Chemistry.—(Fownes's with Lectures.)

Free Hand Drawing.

English.—Composition.

SECOND TERM.

Mathematics.—Analytic Geometry (Howison's.)

Surveying.—(Gillespie's) Chain and Compass Surveying, Practice in the Field.

Descriptive Geometry.—Spherical and Isometric Projections, Perspective.

Practical Chemistry.

Free Hand Drawing.—Machinery and Architecture.

English.—Composition.

POYTECHNIC DEPARTMENT.

I.—COURSE IN CIVIL ENGINEERING.

JUNIOR CLASS.

FIRST TERM.

- Mathematics*.—Analytic Geometry continued. Calculus commenced.
Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.
Surveying.—Levelling and Transit Surveying, Adjustment and Use of Instruments in the Field.
Physics.—Laboratory Practice.
Descriptive Astronomy.—(White's Elements).
Practical Chemistry.
Drawing.—Models, Arches, &c., Shading.

SECOND TERM.

- Mathematics*.—Differential and Integral Calculus.
Civil Engineering.—(Henck's) Railroad Engineering.
Mechanics.—(Rankine's) Applied Mechanics.
Physics.—Laboratory Practice.
Drawing.—Machines, Profiles, Bridges.
English.—Descriptions of Actual Engineering Operations.

SENIOR CLASS.

FIRST TERM.

- Civil Engineering*.—(Rankine's Manual of Civil Engineering.)
Mechanics.—(Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.)
Drawing.—Of Constructions from Actual Measurement.
Mineralogy.—(Dana's) with Lectures.
English.—Descriptions as last Term.

SECOND TERM.

- Civil Engineering*.—Structures of Wood, Stone, and Iron, Designing, and Computing the parts of Bridges, Roofs, &c.
Mechanics.—Water Wheels, Engines.
Drawing.—Designs of Structures.
Geology.—(Dana's) with Lectures.
Practical Astronomy.—Use of Instruments, Determination of Time, Latitude, and Longitude.
English.—Graduation Thesis.

II.—COURSE IN MECHANICAL ENGINEERING.

JUNIOR YEAR.

FIRST TERM.

- Mathematics*.—Analytic Geometry continued; Calculus commenced.
Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.
Machinery.—Cinematics; Principles of Mechanism.
Descriptive Astronomy.—(White's Elements.)
Practical Chemistry.
Physics.—Laboratory Practice.
Drawing.—Machinery and Models.

SECOND TERM.

- Mathematics*.—Differential and Integral Calculus.
Machinery.—Mechanism of Transmission; Gearing and Teeth of Wheels.
Mechanics.—(Rankine's Applied Mechanics.)
Physics.—Laboratory Practice.
Drawing.—Machine Drawing continued.
English.—Descriptions of Machinery in Actual Use.

SENIOR YEAR.

FIRST TERM.

- Machinery*.—Study of different Machines; Strength of Materials.
Mechanics.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)
Drawing.—Of Working Machinery.
Mineralogy.—(Dana's) with Lectures.
English.—Descriptions as previous Term.

SECOND TERM.

- Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.
Mechanics.—Theoretical Study of the Prime Movers, Water-wheels and Engines.
Drawing.—Designs of Machines.
Geology.—(Dana's) with Lectures.
English.—Graduation Thesis.

III.—COURSE IN CHEMISTRY.

JUNIOR AND SENIOR YEARS.

Daily Instruction in the Laboratory, including—

Qualitative and Quantitative Analysis :

Pharmaceutical Preparations for the Laboratory and Apothecary,
and the Methods of determining the Value of Drugs ;Mineral Assays, Metallurgy, Analysis of Soils and Ashes, Examination
of Poisons, Uses and Value of Manures ;

Mineralogy and Geology ;

The application of Chemistry to the Arts and Manufactures.

IV.—COURSE IN MINING AND METALLURGY.

JUNIOR YEAR.

Mathematics.—Analytic Geometry. Differential and Integral Calculus.*Descriptive Geometry*.—Applications to Masonry and Machinery.*Surveying*.—Levelling and Transit Surveying, Adjustment and Use
of Instruments in the Field.*Chemistry*.—Qualitative and Quantitative Analysis. Use of Blow-
pipes.*Mining Engineering*.—Lectures, Projects.*Mechanics*.—(Rankine's Applied Mechanics.)*Physics*.—Laboratory Practice.*Drawing*.—Mechanics, Profiles, &c., Shading.

SENIOR YEAR.

Mining Engineering.—Lectures, Projects, Exploitation of Mines,
Examination of Actual Mining Operations.*Chemistry*.—Assaying of Ores from Missouri, Colorado, &c.*Geology*.—(Dana's) with Lectures. Study of Cabinet.*Metallurgy*.—Fuels, Furnaces, Iron, Steel, Lead, Copper, Zinc, Tin,
Silver, Gold, &c. .*Mineralogy*.—(Dana's) with Lectures. Blowpipe Examination of
Minerals.*Drawing*.—Machines, Furnaces, Mines, &c.

MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the Collegiate or Academic Classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, is entirely devoted to this Department. Besides this magnificent building, there are: a Chemical building, 25x52 feet and three stories high; the Dormitory 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and there will soon be a Gymnasium 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is, or will be, fitted up in the most substantial and judicious manner, and new appliances and facilities will be procured as fast as the want of them is clearly seen.

LIBRARIES.

In addition to the Scientific Library in the building, which, though small, is very choice and continually increasing, the students of the Senior Class have free use of the Mercantile Library and Reading Room, with its very large collection of scientific books, and its almost unequalled supply of periodicals.

APPARATUS.

A good supply of Electrical and Physical apparatus, and a full set of Surveying and Astronomical instruments the University already possesses.

The following orders for additional apparatus have been given, and the apparatus will soon be received:

E. S. Ritchie & Sons, Boston, for Physical apparatus to the value of \$1,200.

Models of machinery and Descriptive Geometry, from Germany, to the value of \$1,500.

Alvin Clark & Sons, Cambridge, Mass., for a Spectroscope for the Physical Laboratory.

John Browning, London, for Electric Lamp with Batteries, &c.

W. J. Young, Philadelphia, for a Surveyor's Transit and a Level; and an Astronomical Transit of Wiedermann, Washington, D. C.

New pieces will be procured just as rapidly as needed.

For this complete outfit, the University is chiefly indebted to its firm friend, Hon. Hudson E. Bridge, who gave \$15,000 for this purpose. In addition to the above, the Department has a two-horse power steam engine with link and eccentrics, a present from W. H. Pulsifer, Esq., of this city; a model of a Howe Truss Bridge, six feet long, a present from the Missouri Pacific Railroad Company; and a beautiful model of an Iron Bowstring Girder Bridge, obtained by purchase.

The Astronomical Instruments include an Equatorial Telescope of seven inch aperture, by Fitz; a Pistor and Martin's Sextant of seven inch radius; a forty-eight inch meridian circle, permanently lent by the United States Coast Survey; a fine Chronometer, by Dent, of London; and a Transit for Longitude observations.

Mention should also be made of the very elegant set of balances belonging to the State of Missouri, which are left permanently in charge of the University.

CHEMICAL LABORATORIES.

The Chemical building above mentioned contains three Laboratories, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing will be fitted up at once for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first floor of the large building will be appropriated to the State Geological Cabinet to be mentioned below. Students who propose to become professional chemists, will spend almost their entire time during their third and fourth years in the Laboratories.

PHYSICAL LABORATORY.

It is intended to make this new feature in education a very important item in the study of Physics. A large room, about forty-two feet square, on the second floor will be appropriated to this use. All the physical apparatus will be arranged in cases round the room. Large tables will be fitted up for the purpose of enabling the students to per-

form certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They will go to different tables to perform different experiments, and whenever a series of similar experiments are made the results of observation will be compared with the theory by the graphical method of curves. Students will be encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains will be taken to secure carefully written reports of all the work done.

For the use of the students in this and the Chemical Laboratories there will be fitted up a

WORK SHOP,

containing an elegant lathe made expressly for the University, by the Fitchburg Machine Company, of Mass., for turning wood and iron; a work bench and a full set of Carpenter's tools. The Engineering students will be able here to acquire some dexterity in the use of tools which, although slight, will be of great value to them in the subsequent work of their profession.

The headquarters of the

STATE GEOLOGICAL SURVEY

are located at this institution. It is here that the examination, classification, analysis and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology, or any of its cognate sciences, is in one of the spacious rooms of the University, and at all suitable times will be open for the use of students of the University.

METHODS OF INSTRUCTION.

Text books written by the most skilful and accomplished masters, on every branch of human learning, are so accessible, and so superior to the expositions of even the best lecturers as the object of study, that the "lecture" system, as the term is generally understood, is very little used in this Department. The first Teachers of America, England, Germany, and France, are therefore the teachers in this University. The professors can only direct the students in their study, explain diffi-

cult points; seek out illustrations of all important principles studied, add now and then something from their own or others' investigations, and restrain those who would learn imperfectly or superficially. But, perhaps, the most important function of a professor in a technical school is that of assisting in harmonizing Theory and Practice. Theory is one thing; Practice has often been regarded as another and quite a different thing. The professor must show that they are the same; that is, he must show that that is imperfect theory which does not so take all the data of a practical problem into account as to give the exact result obtained by practice, so far as the result is correctly observed; and he must teach also how to interpret practical results when obtained. The University requires of her professors, substantially such work as is pointed out above. She would graduate students not only well grounded in theories, but ready and skilful and accurate in practice.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity, for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling mills, furnaces, and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation, being to rear not mere theorizers, but practical, far-seeing business men.

VACATION WORK.

In this connection, reference should be had to the agreement made by the Superintendent of the United States Coast Survey, to authorize the organization every Summer Vacation of a Surveying party, consisting of the civil engineering students of this Department under the charge of a competent officer, for the purpose of performing the secondary triangulation of the State of Missouri. (The Observatory on the University grounds has already been made a point of great importance in the primary survey). In this work, although the pay is small—about a dollar a day and “found”—it is an excellent opportunity to earn *something*, and learn the details of the very best surveying practice in the world.

EXAMINATIONS.

The Examinations in this Department are frequent and rigid, and whenever it is possible in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The Degrees corresponding to the five Courses of Study are :

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Mining Engineer."
- V. The Degree of "Bachelor of Science."

TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

BOARD AND LODGING.

Students living far from the University can be supplied with rooms in the Dormitory building before referred to. Those desiring one of these rooms, should notify the Dean of the Faculty as soon as possible. The rent for a single room will be \$12 per term; for a double room \$20 per term—that is \$10 for each occupant. The rooms are unfurnished, but when the students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, &c., the students must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

EXPENSES.

The minimum expense of maintaining a student in this Department one year is :

Tuition.....	\$100 00
Rent of room.....	20 00
Board, fuel, and washing, at \$5 per week.....	200 00
Books, Instruments, &c.....	30 00

Total\$350 00

The maximum would be about \$500.

NUMBER OF STUDENTS.

In June of this year, professional degrees were conferred upon graduates of this Department for the first time. They were five in number, and all in Civil Engineering. The whole number of students in the Department was twenty-four. There are indications that the lower classes will be largely increased during the coming year.

NOTE 1.—Students of limited means will notice the provisions made for them on pages 8 and 30.

NOTE 2.—For Gymnasium see page 29.

SAINT LOUIS LAW SCHOOL,

(LAW DEPARTMENT OF WASHINGTON UNIVERSITY.)

ST. LOUIS, MO.

The Fifth Annual Term of this Law School will commence on Wednesday, Oct. 11th, 1871, to continue for six months; exclusive of two weeks recess for the Christmas holidays.

The following gentlemen—all of whom are engaged either in active practice at the bar or on the bench—compose the Faculty, having charge respectively of the subjects annexed.

PROFESSORS.

HON. SAMUEL TREAT, U. S. District Judge, Eastern District of Missouri.

ALEXANDER MARTIN, Assistant.

International, Constitutional, Admiralty, and Maritime Law;
Jurisdiction, Practice and Proceedings in U. S. Courts.

ALBERT TODD, HON. GEORGE A. MADILL, Judge St. Louis Circuit Court, Assistant.

Law of Real Property.

HON. SAM'L REBER, late Judge of the St. Louis Circuit Court,
History and Science of Law; Equity; and Law of Successions.

HON. JOHN M. KRUM, late Judge St. Louis Circuit Court,
Pleading, Practice, Evidence, and Criminal Jurisprudence.

HENRY HITCHCOCK, Dean of the Faculty.

GEO. M. STEWART, Assistant, Acting Dean of the Faculty.

Law of Contracts; Commercial Law.

Besides the regular labors of the Professors, assistance will be received from the following

ADVISORY AND EXAMINING BOARD.

HON. SAMUEL F. MILLER, Pres't, Justice of U. S. Supreme Court.

HON. JOHN F. DILLON, late U. S. Circuit Judge.

HON. DAVID WAGNER, Chief Justice of Missouri.

HON. W. B. NAPTON, late Chief Justice of Missouri.

HON. ARNOLD KREKEL, U. S. Judge, Western District Missouri.

HON. R. E. ROMBAUER, late of St. Louis Circuit Court.

HON. J. D. S. DRYDEN, late of Supreme Court of Missouri.

HON. JAMES R. LACKLAND, late Judge of St. Louis Circuit Court.

JAMES O. BROADHEAD, Esq.,

SAMUEL T. GLOVER, Esq.

C. C. WHITTELEY, Esq.

JOHN R. SHEPLEY, Esq.

The Law Department of the University was formally opened on Wednesday, October 16th, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It is believed that the city of St. Louis affords opportunities equal to those of any other city in the Union, for combining practical instruction and theoretic study of the law. In the Courts of none do causes more varied or more important come to be heard than those, civil and criminal, which grow out of the affairs of its large and busy population, its wide-spread trade, its extensive tributary navigation and the vast interests connected therewith, and its peculiar land-titles, involving questions alike of foreign and common law, and special statutory jurisdiction; nor were any questions of constitutional, international, or admiralty law, growing out of the late rebellion, more novel or important than some which were adjudicated in its tribunals, and many of which may yet come before them. Nine months in the year are in almost constant session, besides the ordinary municipal and lower courts, the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue, and Bankrupt Law, besides those at common Law and in Equity—the State Circuit and Criminal Courts, and the Supreme (or highest appellate) Court of Missouri, embracing every department of jurisprudence.

All the members of the Law Faculty have long been, and now are, engaged on the Bench or at the Bar, in the daily study and application of legal principles. Such instructors, it is believed, are most likely to possess that fresh and familiar acquaintance with the art as well as science

of Law, in the latest phases of legal thought and judicial inquiry, so needful to those who would prepare for "the occasion sudden, the practice dangerous," of a living and ever growing profession.

The Faculty proper will have the direct aid and cordial co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will from time to time deliver lectures and hold examinations on special subjects; and only upon a certificate of proficiency from said Board will degrees be conferred.

The Full course embraces the subjects above indicated, with appropriate illustrations from the civil and foreign law, and is designed to prepare the students for active professional life. It will occupy two years, one term of six months in each year, commencing on the second Wednesday in October and excluding the Christmas holidays.

The degree of Bachelor of Law will be conferred by Washington University upon those who, having attended the full course (two terms), or entering on examination at an advanced stage and completing the course, shall, on final examination by the Board, receive their certificate of proficiency. Candidates for degrees must announce themselves as such to the Dean, at least three months before the close of the term, and must deposit with him, for filing and preservation, at least one month before such close, an original thesis upon some legal topic selected by the writer and approved by the faculty. The degree of LL.B., conferred as above, it is understood, will enable the holder, producing the required evidence as to moral character, to obtain license to practice in the United States and State Courts of Missouri. It must be clearly understood that no one will receive such degree except upon proof of actual proficiency and reasonable fitness to enter upon the grave responsibilities of professional life; nor will it be granted to any person under twenty-one years of age.

Thorough instruction will be given by lectures, oral and written, recitations, and examinations, under the several professors, preference being given to that mode of instruction which combines a careful study of the best treatises with familiar practical illustrations of the principles which they expound. Ample accommodations have been provided in the Polytechnic building corner of Seventh and Chestnut streets. A carefully selected law library, including the latest editions of the best text books, and several copies of those most needed for reference, has been

placed for the use of the students, free of charge, in the Ames Library of said Institute.

Arrangements have been made by which the text books used can be purchased by the students of the Law School at a reduction from the usual prices.

COURSE OF STUDY.

The following text books will be used by the Junior Class during the next term (1871-72):

Blackstone's Commentaries (Sharwood), Books I., II., III.; Kent's Commentaries (selections); Wheaton's International Law; Conklin's Treatise (Jur. and Pr. U. S. Courts); Parson's Shipping and Admiralty; Story's Equity Jurisprudence; Washburn on Real property, vol. I.; Stephens on Pleading; Greenleaf on Evidence; Metcalf on Contracts; Parson's Mercantile Law; besides such works as may be used for reference.

Applicants for admission to the Senior Class of 1871-72 will be required to pass a satisfactory examination on the foregoing or equivalent works before the beginning of the term, and should make application in person during the first week of October to the Dean of the Faculty.

The Senior Class will use the following :

Story on the Constitution; Parson's Marine Insurance; Conkling's Admiralty; Story's Equity Pleadings; Kent's Commentaries (selections); Washburn on Real Property; Chitty's Pleading vol. I.; Greenleaf on evidence; Tidd's Practice (Troubat's edition—selections); Bishop's Criminal Law; Story on Sales; Edwards on Bills and Notes; Story on Bailments: besides such other works as may be recommended for reference.

Moot Courts for practice in the conduct and trial of causes are regularly held, and opinions and discussions, oral and written, upon legal questions, will be required of the students during the course. Practical instruction will be given in drafting contracts, wills and conveyances, and in examination of titles.

Applicants for admission to the first or Junior Class (regular course) must be at least nineteen years of age, of good moral character and standing, and have received a good English education.

Applicants for admission at an advanced stage must pass a satisfactory examination upon the studies previously pursued by the class they desire

to enter. No student will be admitted in either class after the first week in January; nor will any deduction be made from the regular term fee.

The regular tuition fee for each term will be \$60, payable in advance to S. A. RANLETT, Treasurer of Washington University, at the Provident Savings Institution, 513 Olive street.

Besides the accommodations for boarding, usual in cities, it is believed that with many families in the city and suburbs, conveniently accessible by street cars, young men of good habits can obtain board and lodging at \$6 per week and upwards.

While the primary object of this Department is to prepare young men for active professional duties, it is proper to state, in view of repeated inquiries, that persons desiring, for purposes either of business or general culture, to pursue special subjects embraced in the course, as in case of Executors, Trustees, Officers of Corporations, Underwriters, Merchants, etc. etc., may by special arrangement with the proper Professors, attend lectures on those topics alone.

Term Fee, \$60; no extra charge. For particulars as to course of study, etc., address,

GEORGE M. STEWART,

Acting Dean of Law Faculty,

203 N. THIRD STREET, ST. LOUIS, MO.

SUMMARY OF STUDENTS

DURING THE YEAR 1870-1.

ACADEMIC DEPARTMENT.....	293
MARY INSTITUTE.....	198
COLLEGE.....	32
POLYTECHNIC DEPARTMENT.....	24
LAW SCHOOL.....	34
TOTAL.....	581

CALENDAR.

1871-2

Examination of candidates for College and Polytechnic Department,
Saturday, September 9, at 8 o'clock A. M.

First Terms begins Monday, September 11.

Examination of students for Law School, October 7.

Law School opens Wednesday, October 11.

Thanksgiving Day Vacation.

Winter Vacation, December 23 to January 1, 1872, inclusive.

Semi-Annual Examinations, January 22—26, 1872.

Second Term begins January 29, 1872.

Anniversary Exhibition, Thursday, February 22, 1872.

A CATALOGUE

OF THE

OFFICERS, STUDENTS, AND COURSES OF STUDY

OF THE

SEVERAL DEPARTMENTS

OF

WASHINGTON UNIVERSITY,

ST. LOUIS.

ACADEMIC YEAR 1871-72



JOSEPH C. KENNEDY,

PRINTED AND SOLD BY THE UNIVERSITY PRESS.

1871

A CATALOGUE

OF THE

OFFICERS, STUDENTS, AND COURSES OF STUDY

IN THE

SEVERAL DEPARTMENTS

OF

WASHINGTON UNIVERSITY,

FOR THE

ACADEMIC YEAR 1871-72.

ST. LOUIS:

MISSOURI DEMOCRAT BOOK AND JOB PRINTING HOUSE

1872.

CORPORATION.

PRESIDENT :

WILLIAM G. ELIOT.

VICE-PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

WILLIAM G. ELIOT,
WAYMAN CROW,
JOHN M. KRUM,
JAMES SMITH,
SETH A. RANLETT,
GEORGE PARTRIDGE,
JOHN R. SHEPLEY,
ALBERT TODD,

JAMES H. LUCAS,
HUDSON E. BRIDGE,
HENRY HITCHCOCK,
JAMES E. YEATMAN,
SAMUEL TREAT,
CARLOS S. GREELEY,
ROBERT CAMPBELL,
JOHN P. COLLIER,

JOHN T. DAVIS.

OFFICERS

OF

GOVERNMENT AND INSTRUCTION.*

	RESIDENCE
W. G. ELIOT, D.D., <i>Chancellor and Tileston Professor of Political Economy</i>	2660 Washington av.
ABRAM LITTON, M.D., <i>Eliot Professor of Chemistry</i>	2220 Eugenia st.
———, <i>Wayman Crow Prof. of Physics.</i>	
TRUMAN M. POST, D.D., <i>Professor of Ancient and Modern History</i>	3031 Lucas av.
GEORGE ENGELMANN, M.D., <i>Professor of Botany and Natural History</i>	201 S. Fifth st.
CALVIN S. PENNELL, A.M., <i>Bridge Professor of Intellectual and Moral Philosophy, and Principal of Mary Institute.</i>	1600 Pine st.
SYLVESTER WATERHOUSE, A.M., <i>Collier Professor of Greek</i>	1729 Washington av.
GEORGE B. STONE, A.M., <i>Professor of Rhetoric, and Principal of the Academy</i>	1016 N. 17th st.
HENRY HITCHCOCK, A.M., <i>Prof. of Real Property Law and Provost of the Law Dep't</i> ...	1507 Lucas Place.
SAMUEL TREAT, A.M., <i>Lecturer on Constitutional and Admiralty Law and Practices and Proceedings in U. S. Courts, and President of the Law Faculty</i>	1114 Pine st.
ALBERT TODD, A.M., <i>Lecturer on the Law of Real Property as applied to Conveyancing</i> ...	[ette Park. Park av. w. of Lafay-

*Arranged, with the exception of the Chancellor, in the order of appointment.

ALEXANDER MARTIN, A.M., <i>Professor of International, Constitutional, Admiralty and Maritime Law</i>	203 Pine st.	RESIDENCE.
SAMUEL REBER, A.M., <i>Prof. of the History and Science of Law, Equity and Succession</i>	2206 Olive st.	
JOHN M. KRUM, A.M., <i>Professor of the Law of Pleadings, Practice and Evidence</i>	1107 Washington av.	
GEORGE A. MADILL, A.M., <i>Professor of Real Property Law</i>	2347 Market st.	
CALVIN M. WOODWARD, A.M., <i>Thayer Professor of Mathematics and Applied Mechanics, and Dean of the Polytechnic Department</i> ...	1501 Chesnut st.	
GEORGE E. JACKSON, A.M., <i>Professor of Latin</i>	{ Washington av. w. of Grand av.	
MARSHALL S. SNOW, A.M., <i>Professor of Belles-Lettres and Registrar of the College</i>	1516 Pine st.	
LEOPOLD NOA, <i>Professor of Ancient and Modern Languages</i>	2739 Morgan st.	
HENRY POMEROY, A.M., <i>Professor of Astronomy and Mathematics</i>	1516 Pine st.	
GEORGE M. STEWART, A.M., <i>Professor of Mercantile Law and Contracts, and Dean of the Law Faculty</i>	618 Olive st.	
WM. EIMBECK, U.S.C.S., <i>Professor of Practical Astronomy</i>	1143 S. Seventh st.	
WM. B. POTTER, A.M., E.M., <i>Allen Prof. of Mining and Metallurgy</i>	Wash. University.	
RODERICK E. ROMBAUER, <i>Professor of the Law of Torts, Insurance, Domestic Relations and Criminal Jurisprudence</i>	1026 Hickory st.	
F. WM. RAEDER, S.B., <i>Professor of Architecture</i>	1719 Lafayette av.	
DENHAM ARNOLD, A.M., <i>Assistant Prof. of Physic, and Vice-Principal of the Academy</i> ,	2643 Washington av.	
CHAS. A. SMITH, C.E., <i>Assistant Professor of Civil and Mechanical Engineering</i>	1018 N. 19th st.	

6 OFFICERS OF GOVERNMENT AND INSTRUCTION.

	RESIDENCE.
FRED. M. CRUNDEN, A.B., <i>Instructor in Mathematics and Elocution</i>	1428 Poplar st.
HIRAM L. PEET, <i>First Assistant in the Academy</i>	1917 Biddle st.
JOHN H. JENKS, <i>Teacher of German</i>	1212 N. Spring st.
I. N. CUNDALL, A.M., <i>Teacher of Fourth Academic</i>	3008 Laclede st.
WALTER WYMAN, A.B., <i>Teacher of Fifth Academic</i>	Lindell av.
N. C. WHEELER, <i>Teacher of Third Academic</i>	1917 Biddle st.
HUGO HAANEL, <i>Teacher of English Branches and German</i>	1012 Wash st.
EDWIN A. SKEELE, JR., <i>Teacher of Fifth Academic</i>	2829 Dickson st.
J. W. PATTISON, <i>Teacher of Drawing</i>	2841 Olive st.
WALDEMAR MALMENE, M.B., <i>Cantab. Teacher of Vocal Music</i>	1635 Washington av.
MRS. ANNA B. HILLMAN, <i>Teacher in Preparatory Department</i>	1929 Randolph st.
MISS INEZ E. BORDEN, <i>Teacher in Preparatory Department</i>	1016 N. 17th st.
MISS AMANDA FORD, <i>Principal of Primary Department</i>	1016 N. 17th st.
MISS LIZZIE W. LEIGH, <i>Assistant Teacher in Primary Department</i>	3227 Thomas st.

MARY INSTITUTE.

RESIDENCE.

CALVIN S. PENNELL, A.M., <i>Principal</i>	1600 Pine street.
MISS FLORENCE FOSTER, <i>Instructor in Latin and Natural Sciences</i>	1621 Olive street.
MISS HENRIETTA SAWYER, <i>Principal of Preparatory Department</i>	2839 Olive street.
MISS MARGARET T. WALLACE, <i>Principal of Primary Department</i>	2926 Laclede av.
MISS ANNA FLINTHAM, <i>Assistant in Primary Department</i>	2625 Lucas av.
MISS FLORENCE K. HOLDEN, <i>Instructor in Mathematics</i>	107 N. 8th st.
MISS SARAH E. COLE, <i>Instructor in Natural Sciences and German</i>	1230 Washington av.
MISS MARY E. MACK, <i>Teacher of Natural Philosophy and other English Branches</i>	2703 Lucas av.
MISS ROSELLA C. JONES, <i>Teacher of English Branches</i>	1613 Washington av.
MISS MARY E. GLIDDEN, <i>Teacher of Reading and Composition</i>	1230 Washington av.
MISS HATTIE E. OSGOOD, <i>Assist. Teacher of History and French</i>	1002 Olive st.
MADAME LOUISE GRANDJEAN, <i>Teacher of French</i>	1312 Poplar st.
MISS HENRIETTA MARIA NOA, <i>Teacher of German and Gymnastics</i>	2739 Morgan st.
MRS. KATE J. BRAINARD, <i>Teacher of Vocal and Instrumental Music</i>	2502 Carr st.
MISS SOPHIE DESLOGE, <i>Assistant Teacher of Drawing</i>	Benton Place.

GENERAL STATEMENT.

WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this act, forthwith to institute an inquiry into the charge or charges

that may be preferred, in respect thereof, by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the said second section of this act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purpose to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading of the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific Department was organized at that time. The Collegiate Department was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law Department was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities of education, apparatus, library, buildings, etc., must also be supplied. At the same time, the rates of tuition must

be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those offered in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principles on which endowments are invited, the fifth, sixth and seventh articles of the Constitution are here inserted:

"ARTICLE V.

"ENDOWMENT OF PROFESSORSHIPS.

"Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

"ARTICLE VI.

"ENDOWMENT OF DEPARTMENTS.

"Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

"ARTICLE VII.

"SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

WESTERN SANITARY COMMISSION FREE
SCHOLARSHIPS.

A Trust Fund of \$30,000 has been accepted by the University, from the above named Commission, for the establishment of TWENTY FREE SCHOLARSHIPS, in the Collegiate or Scientific Departments, to be filled by children or descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, or who fails to comply with the rules of the Institution.

Several appointments have already been made.

WESTERN SANITARY COMMISSION SUSTEN-
TATION FUND.

From the same source a Sustentation Fund of \$10,000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

This timely munificence largely increases the sphere of usefulness of the University, and affords additional illustration of the interest felt by the wealthy business men of St. Louis in the cause of sound learning and true culture.

THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thos. Allen offered the interest for five years at seven per cent. of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the Department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver. The chair was filled in August, 1871, by the appointment of Prof. Wm. B. Potter, of the Columbia College School of Mines, who entered upon his duties in September.

A NEW BUILDING

For the use of the Polytechnic Institute, or Scientific Department of the University, has been erected on Washington avenue, next to the College building, and is now in use. The combined buildings have a frontage of 207 feet by 46 feet deep, and are five stories high.

Every convenience for complete technological instruction is now given, the chemical and other laboratories having been thoroughly supplied, at a cost of not less than \$20,000.

The means for erecting this building were given by our own citizens, with the exception of \$15,000 contributed by our early and generous

benefactor, Nathaniel Thayer, of Boston. His gifts have been so large and so timely, amounting in all to \$50,000, that, on several occasions, they have been the turning point of our progress and success.

We avail ourselves here of the opportunity renewedly to acknowledge the gift, six years ago, of \$25,000 from Mrs. Augustus Hemmaway, of Boston, in memorial of her father, Thomas Tileston, a distinguished merchant of New York City. The gift was made without condition, but, in recognition of it, the TILESTON Professorship of Political Economy was established.

Notwithstanding the past liberality of the friends of the University and its remarkably rapid progress, the increasing expenses of advanced education are so great that our income is yet far below the demands of the time.

ORGANIZATION.

The University consists of five distinct Departments :

- I. THE ACADEMY.
- II. MARY INSTITUTE.
- III. THE COLLEGE.
- IV. THE POLYTECHNIC DEPARTMENT.
- V. THE LAW SCHOOL.

The first is essentially a preparatory school, fitting students for the higher departments. Each department has an organization of its own, and each is under the charge of a Principal, or a Faculty of Professors. Students entering the Polytechnic Department and the Law School are not required to be college graduates, but they are recommended to secure as fully as possible the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic Department without examination.

I. THE ACADEMY.

FACULTY AND INSTRUCTORS.

WM. G. ELIOT, D.D.,

CHANCELLOR.

GEORGE B. STONE, A.M.,

PRINCIPAL.

DENHAM ARNOLD, A.M.,

VICE-PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

LEOPOLD NOA.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.B.

HIRAM L. PEET.

JOHN H. JENKS.

ISAAC N. CUNDALL, A.M.

WALTER WYMAN, A.B.

NEWTON C. WHEELER.

HUGO HAANEL.

EDWIN A. SKEELE.

J. W. PATTISON.

WALDEMAR MALMENE.

Mrs. ANNA B. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

STUDENTS.

ADVANCED CLASS.

<i>Name.</i>	<i>Residence.</i>
Bartlett, George M.....	Templeton, Mass.
Bonner, Samuel West.....	2828 Pine street.
Burlingham, Albert Starr.....	1800 Olive street.
Cavender, John Howard.....	1107 Dillon street.
Eliot, Christopher Rhodes.....	2660 Washington av.
Engler, Edmund Arthur.....	1515 Jackson st.
Espenschied, Fred. Frank.....	813 Hempstead st.
George, Edward C.....	2704 Locust st.
Howland, Wm. Conclin.....	2231 Clark av.
LeBourgeois, J. Charless.....	Convent, La.
Mills, Joseph Edwards.....	1309 Washington av.
Parsons, Charles Levi.....	1211 Washington av.
Richards, Charles Sheafe.....	St. Louis Township.
Richardson, James, Jr.....	2827 Locust st.
Robinson, Clarence McDonald.....	1002 Chesnut st.
Strattan, Charles Taylor.....	Mt. Vernon, Ill.
Thompson, Frank Pierce.....	2333 Olive st.
Total number.....	17.

FIRST CLASS.

Aull, Robert, Jr.....	1520 Lucas Place.
Berry, John Marshall.....	Fairview, Mo.
Dreyer, John W. B.....	2614 Cass av.
Eisenstadt, Samuel.....	3142 Locust st.
Eisenstadt, Morris.....	3142 Locust st.
Farrar, William Christy.....	2733 Chesnut st.
Filley, Robert Eldridge.....	1527 Lucas Place.
Gildchaus, Charles.....	1910 Gratiot st.
Gore, Stephen A.....	1017 Olive st.
Kesl, William J.....	914 Soulard st.
LeBourgeois, Louis.....	Convent, Ia.
McGill, Charles I.....	Rodney, Miss.
Total number.....	12.

SECOND CLASS.

<i>Name.</i>	<i>Residence.</i>
Block, George M.	Clarksville, Mo.
Bowen, Menard Kennerly.....	Carondelet.
Chauvenet, Wm. Marc.....	2703 Lucas av.
Cole, Amadee B.....	1728 Washington av.
Cunningham, Henry Davis.	Park av. near Miss. av.
Farrar, John Royal.....	1316 Washington av.
Fry, Frank R.....	1216 Monroe st.
Fry, Robert A.....	1216 Monroe st.
Gibson, Archie.....	Cor. Laf. & McNair avs.
Gore, Charles.....	1017 Olive st.
Gregg, Norris Bradford.....	2631 Pine st.
Hamill, Joseph Hackney.....	Russell av.
Hitchcock, Henry, Jr.....	1507 Lucas Place.
LeBourgeois, Edward.....	Convent, La.
Lemen, Josephus.....	Collinsville, Ill.
Mack, Charles S.....	Webster, Mo.
McClellan, Henry Sharpe.....	3428 Morgan st.
Miller, Richard.....	1547 South Seventh st.
Owen, George W.....	Brotherton, Mo.
Rudolphe, Charles.....	705 N. Nineteenth st.
Sears, Hiram J.....	Carondelet.
Shapleigh, John Blasdel.....	1229 Washington av.
Wickham, Wm. Fanning.....	1712 Lucas Place.
Total.....	23.

THIRD CLASS.

<i>Name.</i>	<i>Residence.</i>
Adams, Charles Fremont.....	1603 Washington av.
Ballentine, Wm. J.....	803 Garrison av.
Barry, William T., Jr.	2804 Lafayette av.
Barry, Frank.....	1212 Olive st.
Blossom, Edmund Dwight.....	2715 Washington av.
Bowman, Chas. Fox.....	Kirkwood.
Bronson, Geo. Alvin.....	1410 Olive st.

THIRD CLASS.

<i>Name.</i>	<i>Residence.</i>
Burlingham, Charles C.....	1800 Olive st.
Carr, Wm. Chiles.....	2735 Chesnut st.
Child, Pearley Aug.....	Hackensack, N. J.
Cole, Frank.....	815 Tayon av.
Collins, Monroe R.....	1210 Washington av.
Duke, James Clay.....	2327 Olive st.
Ehlert, Edwin H.	713 South Third st.
Eliot, Edward Cranch	2660 Washington av.
Farrar, Charles Thruston.....	2733 Chesnut st.
Helmerichs, John George.....	1141 South Seventh st.
Heermans, William Ewing.....	1827 Washington av.
Hill, William Sargent.....	St. Louis Township.
Hinckley, Walter[Raleigh	Belleville, Ill.
Holm, Charles Henry	908 Amelia av.
Johnson, Warren Stone.....	1129 Locust st.
Kunsemiller, Charles Fred.....	818 North Eleventh st.
Mauro, Lewis Johnson.....	1301 St. Ange av.
Mauro, Philip.....	1301 St. Ange av.
McCune, Charles.....	St. Louis Township.
McPherson, Page.....	Wash. av. beyond Grand
Montgomery, Robt. Alex.	1316 Olive st.
Montgomery, James Whitehead.....	1316 Olive st.
Peck, George Washington.....	2738 Olive st.
Peckham, Walter[Clark.....	Elleardsville, Mo.
Pomeroy, William Dwight.....	2712 Pine st.
Porre, Carroll Fleming.....	1120 Olive st.
Rannells, Edward.....	2008 Olive st.
Ritterskamp, Louis, Jr.....	2341 State st.
Schaeffer, George.....	2120 Morgan st.
Schaeffer, Louis John.....	2120 Morgan st.
Taussig, Frank Wm.....	1526 Mississippi av.
Thompson, George Dutch.....	2333 Olive st.
Total.....	39

FOURTH CLASS.

*Name.**Residence.*

Ames, Henry.....	2320 Pine st.
Bargen, Rudolph Justus.....	1014 North Fifth st.
Bartels, Gustave Chas.....	Denver, Col.
Brimmer, George Gustave	Sum'er, b. Ohio & Barton
Bryan, Francis Theodore.....	1405 Pine st.
Bryan, John Heritage.....	1405 Pine st.
Burns, John	3118 Morgan st.
Burns, David Smith.....	3118 Morgan st.
Carr, Nathaniel Paschall.....	2735 Chesnut.
Carter, James Sweringen	St. Louis Township.
Carter, John William.....	St. Louis Township.
Chadbourne, William Rule.....	2712 Dayton st.
Clark, Robert Stuart.....	1115 Pine st.
Creveling, Wm. Clement.....	1425 Lucas Place.
Finlay, Andrew Mitchell.....	Grand & Lafayette avs.
Finlay, Arthur Miller.....	Grand & Lafayette avs.
Foster, Marquard, Jr.	809 South Sixth st.
Gambs, Ernest Fred	1224 2d Carondelet av.
Hanenkamp, Geo. Wm.....	911 Garrison av.
Hoffman, Henry.....	Freiburg, Ill.
Howard, Fred. Clarence.....	2935 Dixon st.
Humphreys, Geo. Adams.....	Carondelet.
Jennings, Wm. Montague.....	1513 Chesnut st.
Kaime, Edwin Francis.....	Grand av.
Kaut, Henry Louis.....	1729 Carr st.
Kefferstein, William Louis.....	201 North Sixth st.
Liggett, Hiram Shaw.....	2921 Locust st.
Luthy, John Martin.....	1705 Lafayette av.
Mason, Paris Hulett.....	1208 Chambers st.
McCormack, Wm. T.....	2709 Broadway.
McCreery, Wm. Hynes.....	922 Olive st.
McNeil, Robt. Paul.	1806 Carr st.
McNeil, Gordon Charles	1806 Carr st.
Mellier, Amadee Augustus.....	2602 Pine st.
Mellier, Walter.	2602 Pine st.

FOURTH CLASS.

<i>Name.</i>	<i>Residence.</i>
Monell, Joseph.....	319 North Seventh st.
Obear, Frank William	Arkansas av.
Pendleton, Wm. A	1402 Pine st.
Pine, James A.....	14 Targee st.
Rex, Benjamin Frazier.....	1117 Olive st.
Scollay, Harry.....	910 North Nineteenth st.
Senden, Charles George.....	1833 Carr st.
Shapleigh, Richard Waldron.....	1229 Washington av.
Shepley, John Foster..	1518 Washington av.
Smithers, Melville Libby.....	207 South Fifteenth st.
Stephani, Charles, Jr.....	Belleville, Ill.
Tebbets, Frank Oliver.....	1124 S. Thirteenth st.
Tilden, Charles.....	911 Olive st.
Vallé, Edgar J.....	1516 Lucas Place.
Walters, Frank Alexander.....	1603 Chesnut st.
White, John Mercer	Eastville, Va.
Willis, Arthur Douglass.....	413 North Eighth st.
Total.....	52.

FIFTH CLASS.

<i>Name.</i>	<i>Residence.</i>
Aull, Wilson.....	1520 Lucas Place.
Bain, Robert E. M.....	1410 Lasalle st.
Bartlett, Andrew Wineland.....	2312 Eugenia st.
Campbell, Hazlett K.....	1508 Lucas Place.
Campbell, James A.....	1508 Lucas Place.
Carson, James O.....	2821 Locust st.
Clover, Ashley Cooper.....	2128 Clark av.
Coleman, Robert W.....	Fox Creek, Mo.
Davidson, Wm. B.....	1627 Chesnut st.
Filley, Christopher G.....	1527 Lucas Place.
Filley, Wm. Joseph.....	1527 Lucas Place.
Filley, Augustus.....	1614 Olive st.
Hamill, Samuel.....	2800 Lafayette av.

FIFTH CLASS.

*Name.**Residence.*

Harrison, Nathaniel H....	Macon, Miss.
Haseltine, Wm. B., Jr.....	2731 Pine st.
Hays, Henry.....	Ompghent, Ill.
Hill, Edward M.....	1619 Morgan st.
Hirschberg, Louis, Jr.....	1308 Olive st.
Jackson, Edward F.....	Wash. av. near Grand.
Kalb, Theodore.....	902 Gratiot st.
Lowry, Clarence G.....	1703 Washington av.
Mason, Charles.....	1208 Chambers st.
Muller, Ernest.....	910 Hickory st.
O'Fallon, Clarence C.....	St. Louis Township.
Paul, Adolphe Lewis.....	827 Chouteau av.
Schramm, Wm. C., Jr.....	1225 South Sixth st.
Scott, Wm. Poston.....	3018 Lucas av.
Shepley, George F.....	1518 Washington av.
Stinde, George C.....	3032 Lucas av.
Switzer, Robt. J.....	1725 Washington av.
Turner, Henry, Jr.....	1706 Lucas Place.
Trorlicht, Aug.....	1829 Carr st.
Walter, Fred.....	Cor. Tenth and Winter.
Wiesemann, Oliver.....	216 S. Sixteenth st.
Wilkinson, George F.....	1551 Gratiot st.
Willis, Chas. Frederic.....	1621 Washington av.
Wulfig, Max.....	1919 Gratiot st.
Total.....	37.

PREPARATORY SCIENTIFIC—DIV. A.

*Name.**Residence.*

Balch, LeBreton..	Newburyport, Mass.
Behrens, Louis.....	902 Hickory st.
Carter, George S.....	Belleville, Ill.
Carter, Edward N.....	Belleville, Ill.
Derby, George.....	1110 Pine st.

PREPARATORY SCIENTIFIC—DIV. A.

<i>Name.</i>	<i>Residence.</i>
Gibson, Victor.....	Cor. Laf. & McNair avs.
Glover, Joseph A.....	2904 Gamble av.
Goode, George W.....	St. Louis Township.
Hawke, William	Nebraska City, Neb.
Meisner, Charles F.....	2118 Broadway. [mec.
Meister, Otto.....	Cor. Minn. av. and Mara-
Meister, Hermann.....	" " " "
Mersman, Frederic C.....	1016 Chouteau av.
Nulsen, Anton Joseph.....	1012 Chouteau av.
Papin, Louis	Webster.
Pegram, George H.....	1027 N. Nineteenth st.
Smith, Luther	Florissant, Mo.
Sterling, Lewis	Gouverneur, N. Y.
Wells, Rolla	2725 Olive st.
Zisemann, Ernest G.....	1511 Marion st.
Total	20.

PREPARATORY SCIENTIFIC—DIV. B.

<i>Name.</i>	<i>Residence.</i>
Anderson, Lawrence G.....	2309 Chesnut st.
Baker, James.....	1208 Washington av.
Choate, Willis E.....	1121 N. Nineteenth st.
Defriez, Harry	1624 Pine st.
Fabian, Ferd. J.....	1417 Park av.
Harwood, Levin B.....	Arrow Rock, Mo.
Hough, H. C.....	Kirkwood, Mo.
Kellogg, Clinton D.....	Caledonia, Minn.
Moulton, Sylvanus T.....	2614 North Ninth st.
Overstoltz, Ferd. George.....	12 North Fourteenth st.
Roberts, William P.....	Gray's Summit, Mo.
Todd, Elliot.....	2710 Morgan st.
Total	12.

COMMERCIAL CLASS.

<i>Name.</i>	<i>Residence.</i>
Allen, John W.....	Upper Alton, Ill.
Batte, Henry S.....	703 N. Seventeenth st.
Bechtold, Hermann.....	Belleville, Ill.
Buschman, Chas. Henry.....	St. Louis Township.
Chamberlain, William	1819 Washington av.
Douglass, Richard.....	Florissant, Mo.
Metcalf, Albert B.....	921 Salisbury st.
Myerson, Gabriel S.....	504 South Sixth st.
Peck, Wm. W.....	614 Locust st.
Peper, Fred.....	1522 Morgan st.
Schillinger, Fred.....	4333 N. Thirteenth st.
Swain, T. B.....	Chillicothe, Mo.
Thornburgh, Robert D.....	3023 Locust st.
Wagner, Edward.....	613 North Third st.
Total	14.

FIRST PREPARATORY CLASS.

<i>Name.</i>	<i>Residence.</i>
Baker, John L.....	1208 Washington av.
Bell, Ernest P.....	1115 Washington av.
Bernd, Gustave.....	Goodrich Landing, La.
Boardman, Chas. H	2611 Wash st.
Bridge, Hudson Eliot.....	St. Louis Township.
Bridge, Harrison P.....	St. Louis Township.
Carr, George A.....	Nineteenth and Wash.
Chamberlain, Eliot.....	1819 Washington av.
Christy, John K.....	3512 Olive street.
Cobb, Addison M.	1520 Pine st.
Conn, Joseph H., Jr.....	17 South Sixteenth st.
D'Oench, William, Jr.....	1201 St. Ange av.
Fishback, Louis.....	Southern Hotel.
Freligh, Louis H., Jr.....	1436 North Francis st.
Gildehaus, Richard... ..	1910 Gratiot.
Givens, Harry W.....	2909 Morgan st.
Green, Thomas T.....	901 Pine st.

FIRST PREPARATORY CLASS.

<i>Name.</i>	<i>Residence.</i>
Hicks, Victor Lucas.....	1010 Olive st.
Jackson, George R.....	1500 Pine st.
Kaime, George James.....	Grand av.
Leathe, Samuel.....	2700 Lucas av.
Leigh, Herbert.....	3227 Thomas st.
Nulsen, Max August.....	1012 Chouteau av.
Owen, John C.....	Brotherton, Mo.
Parks, Everett R.....	Summit av. bet. Chout. &
Peck, John.....	Grand av. [Park av.
Perkins, Nathan W., Jr.....	1503 Chesnut st.
Strode, Fred. Bates.....	125 S. Fourteenth st.
Wallburg, Charles.....	1448 Jackson st.
Wissman, William.....	St. Louis Township.
Wyman, Arthur.....	Lindell av.
Total.....	31.

SECOND PREPARATORY CLASS.

<i>Name.</i>	<i>Residence.</i>
Adams, Francis E.....	1527 Pine st.
Brant, Charles O.....	1722 Washington av.
Cline, George W., Jr.....	840 South Eighth st.
Dean, Charles C.....	3250 Olive st.
Gregg, Wm. H., Jr.....	2631 Pine st.
Heermans, Henry P.....	1827 Washington av.
Kaime, Benjamin E.....	Grand av. near Morgan.
Proctor, Howard C.....	3429 Franklin av.
Rannells, John W.....	2008 Olive st.
Schuster, Emil W.....	614 South Fourth st.
Shapleigh, Alfred Lee.....	1229 Washington av.
Smith, Henry H., Jr.....	Anna, Ill.
Sowers, Peter J., Jr.....	Easton Place, McNair av.
Von Phul, Stephen F.....	209 South Sixteenth st.
Willis, Charles C.....	413 North Eighth st.
Total.....	15

PRIMARY CLASS.

<i>Name.</i>	<i>Residence.</i>
Ames, Henry S.....	1615 Lucas Place.
Anderson, Charles T.....	2309 Chestnut st.
Baker, Jesse G.....	1208 Washington av.
Bain, George, Jr.....	1410 Lasalle st.
Barrett, James S.....	1426 Lucas Place.
Block, William N.....	2702 Locust st.
Capen, Samuel D.....	1520 Olive st.
Cavender, James S.....	1107 Dillon st.
Cavender, Edward R.....	1107 Dillon st.
Christy, Frank C.....	3010 Pine st.
Colman, Frank P.....	St. Louis Township.
Conn, Lewis L.....	17 South Sixteenth st.
Cundall, Walter A.....	3008 Laclede av.
Dearborn, Samuel S.....	916 Park Place.
Eaton, George P.....	1621 Olive st.
Filley, Victor G.....	1527 Lucas Place.
Fishback, George W., Jr.....	Southern Hotel.
Fitch, Dabney Carr.....	2339 Chesnut st.
Gazzam, Joseph Parker.....	2810 Pine st.
Gildehaus, Henry Wm.....	1910 Gratiot st.
Grindon, Arthur T.....	2024 Christy av.
Hicks, Silas.....	1010 Olive st.
Jacobs, Michaelis E.....	3142 Locust st.
Jacobs, Morris.....	3142 Locust st.
January, Derrick.....	1137 Washington av.
Mack, George A.....	921 N. Twenty-fourth st.
Malmene, Waldemar.....	1631 Washington av.
McCargo, Wallace.....	2926 Laclede av.
McCormack, R. Frank.....	2709 Broadway.
McKittrick, Adam McM.....	1628 Pine st.
McKittrick, George H.....	1628 Pine st.
McLaran, Robert Lee.....	1628 Lucas Place.
McNeil, William E.....	1806 Carr st.
Noyes, William Hall.....	1713 Washington av.

PRIMARY CLASS.

<i>Name.</i>	<i>Residence.</i>
Pegram, Frank.....	1027 N. Nineteenth st.
Samuel, Edward M.....	2341 Chesnut st.
Sheckley, Harry	2607 Wash st.
Simon, Charles Fitzhugh	2810 Locust st.
Smith, Irwin Z., Jr.....	2702 Olive st.
Stanard, William K	1417 Chouteau av.
Storer, Frank D.....	3015 Locust st.
Taylor, George R., Jr.....	1804 Lucas Place.
Teasdale, James J., Jr.	26 S. Sixteenth st.
Turner, Wilson P. H.....	Lucas Place.
Whitelaw, Charles W.....	Southern Hotel.
Whitelaw, George P., Jr.....	Southern Hotel.
Wiesemann, Arthur A.....	213 S. Sixteenth st.
Wyman, Edward.....	3539 Lindell av.
Total	48.

ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the Collegiate and Polytechnic Departments of the University.

ACADEMIC COURSE OF STUDY.

FOURTH CLASS.

Mathematics.—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

Geography.—Warren's Common School.

History.—Anderson's.

English Grammar.—Green's Introductory.

Latin.—Harkness's Introductory Latin Book.

Reading, Writing and Spelling; Composition.

THIRD CLASS.

FIRST TERM.

Mathematics.—Felter's Arithmetic, and Stoddard's Intellectual Arithmetic.

Latin.—Harkness's Introductory Latin Book.

English Grammar.—Parsing and Analysis.

Reading, Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Walton's Higher Arithmetic.

Grammar.—Parsing and Analysis.

Latin.—Harkness's Latin Reader.

Reading, Writing and Spelling; Composition and Declamation.

SECOND CLASS.

FIRST TERM.

Geography.—Warren's Physical Geography.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

SECOND TERM.

Mathematics.—Walton's Higher Arithmetic.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book.

Writing and Spelling; Composition and Declamation.

FIRST CLASS.

FIRST TERM.

Physiology.—Hitchcock's.

Latin.—Hanson's Latin Prose.

Greek.—Harkness's First Greek Book; Felton's Greek Reader

History.—White's Landmarks of English History.

German.—Otto's German Grammar.

Composition and Declamation.

SECOND TERM.

- Mathematics.*—Greenleaf's Algebra.
Latin.—Æneid of Virgil.
Greek.—Felton's Greek Reader.
History.—White's Landmarks of English History.
German.—Evans's Otto's Reader.
Composition and Declamation.

ADVANCED CLASS.

FIRST TERM.

- Latin.*—Æneid and Bucolics of Virgil.
Greek.—Felton's Greek Reader; Greek Composition.
Mathematics.—Greenleaf's Algebra.
German.—Marie Stuart.
Composition and Declamation.

SECOND TERM.

- Latin.*—Cicero's Orations; Latin Prose Composition.
Greek.—Anabasis; Greek Prose Composition.
Mathematics.—Chauvenet's Geometry, three books.
German.—William Tell.
Composition and Declamation.

PREPARATORY SCIENTIFIC CLASS.

FIRST TERM.

- Algebra.*—Greenleaf's Elementary.
Physiology.—Hitchcock's.
German.—Otto's Grammar and Reader; Evans's Otto's.
History.—Anderson's.
Composition and Declamation.
Drawing.

SECOND TERM.

- Algebra.*—Greenleaf's Elementary, through Quadratics.
Geometry.—Chauvenet's, three books.
Philosophy.—Wells'.
History.—White's Landmarks.
German.—William Tell.
Drawing.
Composition and Declamation.

COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of all the Departments.

EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

TUITION.

Primary Class, per term of 20 weeks.....	\$25 00
Preparatory " " "	30 00
Fourth " " ..	35 00
Third " "	37 50
Second " "	40 00
First " "	42 50
Advanced " "	45 00
Commercial " "	50 00
Preparatory Scientific, per term of 20 weeks.....	50 00

These rates are for the current year only.

A charge of one dollar each term will be made for incidental repairs and damages.

No other extra charges of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

II. MARY INSTITUTE.

FOUNDED MAY 11, 1859.

Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the College and Polytechnic Department of the University.

BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,
HUDSON E. BRIDGE,
JOHN R. SHIPLEY,

HENRY HITCHCOCK,
GEORGE PARTRIDGE,
CARLOS S. GREELEY.

FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

CALVIN S. PENNELL, A.M., *Principal.*

MISS FLORENCE FOSTER.

MISS HENRIETTA SAWYER.

MISS MARGARET T. WALLACE.

MISS FLORENCE K. HOLDEN.

MISS SARAH E. COLE.

MISS MARY E. MACK.

MISS ROSELLA C. JONES.

MISS MARY E. GLIDDEN.

MISS HATTIE E. OSGOOD.

MISS ANNA FLINTHAM.

MADAME LOUISE GRANDJEAN.

MISS HENRIETTE MARIA NOA.

MRS. KATE JONES BRAINARD.

MISS SOPHIE DESLOGE.

MR. J. W. PATTISON.

STUDENTS.

ADVANCED CLASS.

<i>Name.</i>	<i>Residence.</i>
Brooks, Lillie.....	1216 Pine st.
Chamberlain, Laura A.....	1819 Washington av.
Desloge, Sophie.....	Benton Place.
Durkee, Julia.....	2803 Locust st.
Filley, Frances A.....	1614 Olive st.
Flintham, Anna.....	2625 Lucas av.
Kennett, Fanny W.....	619 Locust st.
Manny, Mary J.....	2710 Olive st.
Parsons, Julia E.....	1211 Washington av.
Pennell, Maria F.....	1600 Pine st.
Porter, Lizzie S.....	1133 Washington av.
Runyan, Nannie A.....	2725 Chesnut st.
Tilden, Carrie A.....	911 Olive st.
Total.....	13

FIRST ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Blaine, Mary.....	2641 Olive st.
Desloge, Clara.....	Benton Place.
Kempland, Sarah E.....	4006 Bellefontaine Road
Lewis, Julia.....	3014 Morgan st.
Plant, Catherine E.....	3008 Lucas av.
Ricords, Mattie E.....	2205 Olive st.
Richlicki, Mary J.....	King's Highway.
Todd, Mary H.....	2710 Morgan st.
Whedon, Katie B.....	1121 Washington av.
Total.....	9

SECOND ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Bartholow, Jennie.....	1315 Garrison av.
Chapman, Mary S.....	1633 Washington av.
Johnson, Emilie D.....	921 Pine st.
Menkins, Cecilia E.....	1213 Hebert st.
Mudd, Ella W.....	1500 Washington av.
Simon, Lizzie H.....	2810 Locust st.
Thamer, Eugenia F.....	1709 Salisbury st.
Thamer, Frances D.....	1709 Salisbury st.
Woodburn, Ida M.....	3024 Belle st.
Total	9.

THIRD ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Ballenger, Emma S.....	2706 Dayton st.
Breed, Hermione.....	2720 Washington av.
Bridge, Mary	Glendale.
Broadhead, Minnie W.....	Lafayette av.
Carson, Nannie G.....	2821 Locust st.
Clark, Ellen.....	1532 Washington av.
Davis, Mary E.....	Cor. Davis & 13th sts.
Farrar, Minnie G.....	1316 Washington av.
Hayward, M. Florence.....	1220 Pine st.
Hopkins, Lulu H.....	2936 Pine st.
Horton, Carrie B.....	Lindell, above Grand av.
Kellogg, Louise E.....	1233 Washington av.
Maffitt, Julia M.....	605 Olive st. [strong.
Maurice, Fannie M.....	Park av. bet. Mo. & Arm-
McCreery, Mary J.....	922 Olive st.
McLaran, Fannie E.....	1628 Lucas Place.
P nlett, Margaret H.....	2670 Washington av.
Scollay, Josephine.....	910 N. Nineteenth st.
Shepley, Julia	1518 Washington av.
Switzer, Mary A	1725 Washington av.
Wilson, Rachel P.....	2136 Clark av.
Total.....	21.

FOURTH ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Chouteau, Bertha G.....	1118 Olive st.
Crane, Nettie F.....	3114 Morgan st.
Dwyer, Nanie.....	2634 Olive st.
George, Ida May.....	1909 Carr Place.
Goff, Dora.....	1606 Olive st.
Hickman, Mary.....	1213 Chouteau av.
Hudson, Luella M.....	McClure, near Grand a
Kennett, Violet M.....	619 Locust st.
Kid, Elizabeth R.....	1630 Pine st.
Kribben, Edith W.....	923 Amelia av.
Lionberger, Maggie C.....	1601 Olive st.
Lippman, Fannie..	1209 Dillon st.
Marmaduke, Sallie.....	1113 Olive st.
Peckham, Laura.....	Glendale av., Elleards
Pulsifer, Nellie E.....	Kennett Place. [ville.
Schleiffarth, Amanda.....	1547 Chouteau av.
Shackelford, Genevieve.....	1506 Washington av.
Triplett, Mary W.....	1631 Chestnut st.
Turner, Nannie T.....	1706 Lucas Place.
Total.....	19.

FIFTH ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Blaine, Sallie C.....	2641 Olive st.
Block, Lucretia M.....	1600 Pine st.
Brooks, Josie C.....	1216 Pine st.
Farrar, Agnes K.....	1316 Washington av.
Glasgow, Sarah L.....	3015 Sheridan av.
Jennings, Clara G.....	1513 Chestnut st.
Jewett, Mary.....	2918 Morgan st.
Johnson, E. Estelle.....	1120 Locust st.
Liggett, Dollie L.....	2921 Locust st.
Lippman, Daisie.....	1209 Dillon st.
Lowry, May E.....	1703 Washington av.
Maffitt, Nancy.....	605 Olive st.

FIFTH ACADEMIC.

<i>Name.</i>	<i>Residence.</i>
Pettes, Nellie G.....	2812 Locust st.
Powell, Lennie.....	1021 N. Nineteenth st.
Schuyler, Nellie.....	2820 Locust st.
Sparr, Amy B.....	1811 Wash st.
Stephenson, Alice V.....	Baker st., bet. Grand and
Stillwell, Sallie H.....	2700 Olive st. [Spring av.
Taylor, Iva R.....	1804 Lucas Place.
Turner, Lattie R.....	1706 Lucas Place.
Van Studdiford, Maggie.....	1623 Olive st.
Total.....	21.

PREPARATORY DEPARTMENT.

FIRST PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
Alleyne, Arabella D.....	1903 Carr st.
Bain, C. Louise.....	1410 Lasalle st.
Brown, Susie F.....	614 Walnut st.
Chase, Ida W.....	1504 Washington av.
Chrystie, Lucie.....	1526 Olive st.
Claiborne, Nattie C.....	1000 Locust st.
Conrades, Josephine A.....	1823 Carr st.
Cundall, Fanny.....	3008 Laclede av.
Downs, Julia S.....	206 South Sixteenth st.
Downs, Lizzie T.....	206 South Sixteenth st.
Fagin, Lillie K.....	4003 Fagin Pl., Bellefontaine Rd.
Fogg, Mary L.....	113 S. 16th st. [taine Rd.
Gage, Fannie S.....	2724 Washington av.
Gartside, Emma A.....	2923 Morgan st.
Glover, Mildred B.....	2904 Gamble st.
Grindon, Sophia.....	2024 Christy av.
Hargadine, Julia.....	1416 Washington av.
Jackson, Annie M.....	1500 Pine st.
Lackland, Mary S.....	1623 Lucas Place.
Libby, Cora.....	2628 Washington av.
Lionberger, Mary A.....	1601 Olive st.

FIRST PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
Malmene, Ella H.....	1635 Washington av.
Malmene, Gertrude E.....	1635 Washington av.
Maxwell, Lizzie.....	1833 Wash st.
Metcalfe, Grace.....	921 Salisbury st.
Peck, Belle.....	614 Locust st.
Richards, Grace.....	1803 Washington av.
Runyan, Mary D.....	2725 Chestnut st.
Sperflage, Lizzie A.....	Bellefontaine & Bryan av
Thornburgh, Sallie L.....	Washington & Grand avs
Van Deursen, Eleanor.....	2726 Olive st.
Total.....	31.

SECOND PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
Cooper, Grace Susan.....	1117 Chesnut st.
Day, Anna C.....	2737 Locust st.
Dedman, M. Allien.....	Webster.
Dryden, Mary C.....	Cor. Cal. av. & Miami st.
Enders, Maggie E.....	1129 St. Ange av.
Glover, Bettie M.....	2904 Gamble st.
Gregg, Clara J.....	2631 Pine st.
Gwin, Lydia B.....	Olive Street road.
Harrison, Brianna L.....	2821 Morgan st.
Hemple, Annie C.....	2703 Lucas av.
Hotchkiss, Mary M.....	Bellefontaine Cemetery.
Jennings, Emma W.....	1617 Washington av.
Lackland, Daisy.....	1623 Lucas Place.
Lightner, Mary E.....	1637 Washington av.
Lowe, Edwina D.....	923 Locust st.
Magwire, Clara A.....	Bellefontaine road.
McLaran, Ella F.....	1628 Lucas Place.
Moulton, Mellona J.....	2614 N. Ninth st.
Pendleton, Ida.....	1402 Pine st.
Plant, Nellie M.....	3008 Lucas av.
Pollard, Ida M.....	Cheltenham.
Powell, Edith.....	1021 N. Nineteenth st.

SECOND PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
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Reed, Addie P.....	1703 Olive st.
Roemheld, Emma.....	1312 Poplar st.
Scott, Lulu Q.....	3018 Lucas av.
Simon, May R.....	2810 Locust st.
Thornburgh, Jennie R.....	Cor. Wash. & Grand avs.
Tower, Nellie P.....	Grand av. bet. Lafayette
Vallé, Julia.....	1516 Lucas Pl. [& Park.
Wall, Lulu B.....	2809 Morgan st.
Wickham, Fanny G	1712 Lucas Place.
Total.....	31.

THIRD PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
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Barrett, Mary M.....	2938 Locust st.
Block, Juliet L.....	2702 Locust st.
Colman, Laura K.....	Olive Street road.
Eisenstadt, Jennie.....	3142 Locust st.
Harding, Jennie E.....	1426 Olive st.
January, Laura H.....	1302 Washington av.
Johnson, Nancy L.....	921 Pine st.
Keiler, Elizabeth E.....	1131 Washington av.
McPheeters, Sallie G.....	1000 Olive st. [Vandev'r.
McPherson, Sophie.....	Washington av. west of
Morton, Eloise.....	Compton Hill.
Porter, Comfort D.....	Lafayette av.
Sparr, Fannie J.....	1811 Wash st.
Stillwell, Marie B.....	Webster, Mo.
Switzer, Eugenia.....	1725 Washington av.
Vallé, Ida.....	1516 Lucas Place.
Wight, Alice M.....	1905 Carr st.
Total.....	17.

FOURTH PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
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Arendt, Fannie C.....	3248 Pine st.
Bartlett, Abbie T.....	2312 Eugenia st.
Brainard, Anna May.....	2502 Carr st.

FOURTH PREPARATORY.

<i>Name.</i>	<i>Residence.</i>
Campbell, Cora E	3102 Morgan st.
Clarkson, Maggie.....	1601 Olive st.
Cooper, May G.....	1117 Chesnut st.
Filley, Anna K.....	1614 Olive st.
Hargadine, Mary M.....	1416 Washington av.
Howard, Katie	603 Cor. Wash. & Gar.
Jouett, Mary L.....	1424 Olive st. [avs.
Kimbrough, Katie E.....	2730 Morgan st.
Lewis, Sallie.....	3014 Morgan st.
Liggett, Cora B.....	2921 Locust st.
Shepley, Mary L.....	1518 Washington av.
Shultz, Mary J.	213 S. Sixteenth st.
Woodburn, Ella M.....	3024 Belle st.
Total.....	16.

PRIMARY DEPARTMENT.

<i>Name.</i>	<i>Residence.</i>
Allen, Alice Maud.....	1414 Lucas Place.
Ames, Ada S.....	1615 Lucas Place.
Ames, Mary.....	1615 Lucas Place.
Benton, Katie.....	1604 Lucas Place.
Betts, Carrie.....	1118 Locust st.
Blossom, May.....	2715 Washington av.
Blossom, Susan S.....	2715 Washington av.
Booge, Nellie J.....	1101 Chouteau av.
Brant, Sarah B.....	1722 Washington av.
Bridge, Amy	Glendale.
Chamberlin, Harriet M.....	1819 Washington av.
Cooper, Laura B.....	1117 Chesnut st.
Copelin, Emma R.....	944 Chouteau av.
Eliot, Rose.....	2660 Washington av.
Greene, Julia M.....	19 S. Fifteenth st.
Hellmers, Florence.....	1520 Morgan st.
Hewitt, Mary F.....	1118 Olive st.
Holmes, Laura.....	1914 Wash st.
Hunter, Ellen D.....	2929 Pine st.

PRIMARY DEPARTMENT.

<i>Name.</i>	<i>Residence.</i>
January, Julia C.....	1137 Washington av.
January, Mary B.....	1137 Washington av.
Jenkins, Albertie.....	2640 Olive st.
Kehlor, Carrie E.....	Southern Hotel.
Liggett, Ella D.....	2921 Locust st.
Louderman, Georgianna C.....	Southern Hotel.
Lowry, Levina.....	1703 Washington av.
Magruder, Susan L.....	3017 Glasgow Place.
Maurice, Mary A.....	Park av. bet. Mo. & Arm-
McLaran, Mary A.....	1628 Lucas Pl. [strong.
McPheeters, Fannie W.....	1000 Olive st.
Moore, Cleon D.....	12 S. Fifteenth st.
Noland, Nellie.....	1610 Pine st.
Owen, Addie C.....	2647 Washington av.
Parks, Alma J.....	Summit av. b. Chout. &
Peirce, Clara L.....	1303 Wash'n av. [Park.
Peirce, Lizzie G.....	1303 Wash'n av.
Powell, Emma W.....	1021 N. Nineteenth st.
Reber, Maud.....	912 Garrison av.
Richards, Carrie L.....	1803 Washington av.
Robinson, Fannie L.....	Southern Hotel.
Russel, Fannie B.....	411 N. Eleventh st.
Runyan, Ida T.....	2725 Chesnut st.
Saunders, Eliza G.....	1511 Pine st.
Saunders, Mary.....	1511 Pine st.
Scott, Carrie C.....	3018 Lucas av.
Smucker, Bell C.....	1118 Locust st.
Taylor, Louisa K.....	1804 Lucas Place.
Taylor, Theresa M.....	1804 Lucas Place.
Triplett, Louisa S.....	1621 Chesnut st.
Turner, Delphine.....	1706 Lucas Place.
Wickham, Lucy C.....	1712 Lucas Place.
Willis, Lillian S.....	1621 Washington av.
Young, Laura W.....	1300 Washington av.
Total.....	53.

COURSE OF STUDY.

PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

PREPARATORY DEPARTMENT.

FOURTH PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Elementary.

Mathematics.—Felter's Primary Arithmetic; Federal Money.

Writing.—Begun and continued through the course.

Drawing.—Begun and continued through the course.

French.—Fasquelle's First Lessons.

Vocal Music.—Begun and continued through the course.

SECOND TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Elementary; Blackboard Exercises.

Mathematics.—Felter's Intermediate Arithmetic.

French.—Chouquet's First Lessons; Florian.

Music.—Elementary Instruction continued.

THIRD PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling.

Geography.—Warren's Geography, with Oral Instruction and Outline Maps.

Mathematics.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction continued.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—As found in History of the United States.

History.—Read Berard's United States.

Mathematics.—Written Arithmetic; Oral continued.

French.—Otto's Grammar; Vinet; Florian.

Music.—Elementary Instruction continued.

SECOND PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Text Book, with Drawing Maps on the Blackboard.

History.—Read Abbott's Cyrus.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading, Spelling, and Grammar.

Geography.—Warren's Common School.

History.—Read Abbott's Darius.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

French.—Chouquet's First Reader; Florian.

FIRST PREPARATORY CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Butler's Grammar.

Physiology.—House I Live in.

History.—Anderson's United States; Geography.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

French.—Chouquet's First Reader; Florian.

SECOND TERM.

English Language.—Reading and Spelling; Butler's Grammar.

History.—Anderson's United States; Geography.

Botany.—Oral Instruction and Analysis.

Mathematics.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

French.—Chouquet's First Reader; Florian.

ACADEMIC DEPARTMENT.

FIFTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Reading and Spelling; Definitions and Sentences; Grammar.

Geography.—Map Drawing.

Mathematics.—Oral and Written Arithmetic.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction continued.

Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

English Language.—Reading, Spelling and Defining.

Grammar.—Analysis of Sentences.

History.—Dickens's History of England, with study of Geography and Biography.

Botany.—Oral Instruction and Analysis.

Mathematics.—Written Arithmetic, with written explanations.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction continued.

FOURTH ACADEMIC CLASS.

FIRST TERM.

English Language.—Grammar reviewed.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic.

Latin.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

French.—Otto's Grammar; Vinet; La Fontaine.

Music.—Elementary Instruction continued.

Drawing.—Study of Form, by sketching simple objects.

SECOND TERM.

English Language.—Read and Study a Poem.

History.—Mrs. Markham's France.

Mathematics.—Arithmetic; Algebra begun.

French.—Otto's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

THIRD ACADEMIC CLASS.

FIRST TERM.

English Language.—Historical Shakespeare; Spelling.

History.—General History, with Geography.

Mathematics.—Algebra.

Latin.—Harkness's Grammar and Reader.

Physiology.—Huxley and Youman's.

French.—Chapsall's Grammar; La Fontaine; L'Histoire de France.

Music.—Solfeggio Singing and Vocalization.

Drawing.—Study of Dimension, in straight lines, angles, and curves.

SECOND TERM.

English Language.—Historical Shakespeare.

Mathematics.—Algebra; Principles of Arithmetic reviewed, with Problems.

Latin.—Grammar and Reader; Cæsar.

Natural History.—Botany.

French.—Chapsal's Grammar; La Fontaine; L'Histoire de France.

Drawing.—Study of Form; Sketching.

Music.—Solfeggio Singing and Vocalization.

SECOND ACADEMIC CLASS.

FIRST TERM.

English Language.—Shakespearian Reader.

Mathematics.—Geometry.

Latin.—Sallust; Antiquities.

Physics.—Natural Philosophy.

Rhetoric.—Hart's Composition and Rhetoric.

French.—Chapsal's Grammar; Littérature Contemporaine; La Fontaine.

Drawing.—Study of Light and Shade; Sketching simple objects.

Music.—Solfeggio Singing and Thorough Bass.

SECOND TERM.

English Language.—Shakespearian Reader; Trench's Study of Words.

Mathematics.—Geometry.

Latin.—Ovid; Cicero; Mythology.

History.—Review United States.

Chemistry.—Rolfe and Gillet's Hand-Book.

French.—Chapsal's Grammar; Littérature Contemporaine; L'Histoire de France.

Drawing.—Study of Light and Shade from simple objects.

Music.—Solfeggio Singing and Thorough Bass.

FIRST ACADEMIC CLASS.

FIRST TERM.

History.—Student's Hume.

Belles-Lettres.—Collier's English Literature.

Geography.—Review.

Astronomy.—Lockyer's Elementary.

Latin.—Æneid, continued.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Theory of Perspective; Sketching.

Music.—Continued.

SECOND TERM.

Latin.—Odes of Horace.

Natural Science.—Tenney's Geology.

Political Science.—Townsend's Analysis.

Mathematics.—Arithmetic reviewed.

French.—Littérature Contemporaine; La Fontaine.

Drawing.—Practice of Perspective, by sketching objects.

Music.—Continued.

ADVANCED COURSE.

* Studies marked thus * are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

FIRST YEAR.

FIRST TERM.

History.—Smith's History of Greece.

English Literature.—Fowler's English Grammar; Selected Reading; Themes.

Physical Geography.—Guyot's Earth and Man.

Mathematics.—Trigonometry.*

Natural History.—Agassiz and Gould's Zoölogy.

French.—Literature; Conversation.

*Latin.**

*Greek.**

German.—Grammar.

Art.—Drawing from Nature; Biography of Artists.

SECOND TERM.

History.—History of Rome.

English Literature.—Fowler's English Grammar; Selected Reading; Themes.

Philosophy.—Logic; Agassiz's Essay on Classification.

Mathematics.—Analytical Geometry.*

Natural History.—Agassiz's Methods of Study in Natural History.

French.—Literature; Conversation.

*Latin.**

*Greek.**

German.—Marie Stuart; Goethe's Egmont.

Physics.—Ganot's.*

Art.—Drawing; History of Schools of Art.

SECOND YEAR.

FIRST TERM.

History.—Student's France.

English Literature.—Schlegel's Dramatic Art and Literature; Themes.

Philosophy.—Hamilton's Metaphysics.

Political Economy.

Chemistry.—Roscoe's.*

Mathematics.—Mechanics.*

French.—Literature; Conversation.

*Latin.**

*Greek.**

German.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

Physics.—Ganot's.*

SECOND TERM.

- History*.—Stephen's Lectures on the History of France.
Philosophy.—Jouffroy's Ethics ; Evidences of Natural and Revealed Religion.
Astronomy.—White's.
Mathematics.—Mechanics.*
Physics.—Study of Correlation of Force.
French.—Literature: Conversation.
Latin.*
German.—Lessing.
Vegetable Physiology.—Study of some Common Cryptogamic Plants ; Studies with Microscope.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

TUITION.

Primary Department, per term of 20 weeks.....	\$35 00
Fourth Preparatory Class, " " " "	40 00
Third " " " " " "	45 00
Second " " " " " "	50 00
First " " " " " "	50 00
Fifth Academic " " " " " "	55 00
Fourth " " " " " "	60 00
Third " " " " " "	70 00
Second " " " " " "	80 00
First " " " " " "	80 00
Advanced " " " " " "	80 00

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Course without charge for tuition.

BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

III. THE COLLEGE.

F A C U L T Y.

W. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

TRUMAN M. POST, D.D.

CALVIN S. PENNELL, A.M.

SYLVESTER WATERHOUSE, A.M.

GEO. B. STONE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M., *Registrar.*

LEOPOLD NOA.

HENRY POMEROY, A.M.

WM. EIMBECK, U.S.C.S.

WM. B. POTTER, A.M., M.E.

DENHAM ARNOLD, A.M.

STUDENTS.

SENIOR CLASS.

<i>Name.</i>	<i>Residence.</i>
Jewett, Eliot Conway.....	2918 Morgan street.
Metcalfé, Lyne Shackelford, Jr.....	921 Salisbury st.
Patrick, Wm. Francis.....	1618 Washington av.
Post, Martin Hayward.....	3031 Lucas av.
Scheel, Adolphe Max.....	Belleville, Ill.
Total.....	5.

JUNIOR CLASS.

<i>Name.</i>	<i>Residence.</i>
Bryan, Wm. Jas.-Samuel.....	1419 Dodier st.
Spargo, John Webster.....	2222 South Spring st.
Total.....	2.

SOPHOMORE CLASS.

<i>Name.</i>	<i>Residence.</i>
Bowman, Ed. Monroe.....	Alton, Ill.
Chouteau, Azby Aug.....	1118 Olive st.
D'Oench, Fred Ernest.....	1201 St. Ange st.
Ewing, Fred. Berthold.....	1112 Olive st.
Farrar, Luther Kennett.....	1316 Washington av.
Glover, John Milton.....	2904 Gamble st.
Schuyler, Wm. Ridg.....	2820 Locust st.
Stevens, George Lincoln.....	1228 Washington av.
Total.....	8.

FRESHMAN CLASS.

<i>Name.</i>	<i>Residence.</i>
Conzelman, Win. Eliot.....	2124 Clark av.
Coste, Paul Felix.....	1536 Papin st.
Cunningham, James Thomas.....	Park av. w. of Miss. av.
Glasgow, Allen Cuthbert.....	3015 Sheridan av.
Glasgow, Frank Adams.....	3015 Sheridan av.
Harlow, Wm. Marston.....	1704 Biddle st.
Kribben, Bertram Delafield.....	923 Amelia st.
Robinson, Anselm Clark.....	1002 Chesnut st.
Sanderson, Albert Erastus.....	Sulphur Springs.
Walker, James Rankin.....	1226 Washington av.
Total.....	10.

STUDENTS NOT CANDIDATES FOR A DEGREE.

<i>Name.</i>	<i>Residence.</i>
Evers, Henry.....	Cor. N. Market & W. 16th
Tandy, Robert C.....	Bellefontaine Road. [sts.
Total	2.

ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books:

LATIN.

Cæsar's Commentaries; the Bucolics and the Æneid of Virgil, to Book VII; Cicero's Select Orations, Folsom's or Johnson's edition; Andrews' and Stoddard's Grammar, including prosody; Writing Latin.

GREEK.

Colton's or Felton's Reader; Crosby's Grammar, including prosody; Writing Greek with the accents.

GERMAN.

Grammar and Reader : William Tell.

MATHEMATICS.

Walton's Arithmetic; Greenleaf's Algebra; Chauvenet's Geometry, three books.

GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Outlines of Universal History.

NOTE.—Instead of the prescribed text books, equivalents will be accepted.

TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the Collegiate Department will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of the Summer Term in June, and at the commencement of the Fall Term in September; but persons may be examined for an advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academic Department of the University must produce, before examination, proper testimonials of a good moral character; and, if from another college, a certificate of dismission in good standing.

COURSE OF STUDY.

The studies of the Freshman year and the first term of the sophomore year are all required. For the second term of the sophomore year the student is allowed an election between Greek and History.

Certain studies are also *elective* during the Junior and Senior years, as indicated below. A modern language is required each of these years, but a choice is allowed of French, German, Spanish or Italian.

All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.

FRESHMAN CLASS.

FIRST TERM.

Latin.—Lincoln's Livy; Exercises in writing Latin.

Greek.—Felton's Greek Historians (Herodotus); Exercises in writing Greek; Crosby's Grammar.

Elementary Ethics.

Mathematics.—Chauvenet's Geometry.

History.—Smith's Smaller History of Greece.

French.—French Grammar.

Themes and Declamation.

SECOND TERM.

Latin.—Horace; Roman Antiquities; Exercises in writing Latin.

Greek.—Panegyricus of Isocrates; Homer's Odyssey; Exercises in writing Greek.

Mathematics.—Higher Algebra.

History.—Smith's Smaller History of Rome.

English Literature.—Fowler's English Grammar.

French.—Télémaque.

German.—Schiller's Maria Stuart.

Themes and Declamation.

SOPHOMORE CLASS.

FIRST TERM.

Latin.—Cicero's Tusculan Disputations; Exercises in writing Latin.

Greek.—Demosthenes de Corona; Exercises in writing Greek.

Mathematics.—Chauvenet's Trigonometry.

History.—Student's Hume.

English Literature.—History of English Literature.

French.—Histoire de Charles XII; Translation; Grammar.

German.—Grammar; Wieland.

Themes and Declamation.

SECOND TERM.

REQUIRED STUDIES:

Latin.—Juvenal; Andria of Terence, and Captivi of Plautus; Exercises in writing Latin.

Mathematics.—Analytical Geometry.

Physics.—Ganot's.

French.—Grammar; Fables de la Fontaine; Composition.

German.—Goethe's Egmont.

English Literature.—History of English Literature.

Themes and Declamation.

ELECTIVE STUDIES:

Greek.—Alcestis of Euripides; Prometheus of Æschylus; Exercises in writing Greek.

History.—Student's Hume.

JUNIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

Chemistry.—Roscoe's.

History.—Student's France.

Rhetoric.—Whately's.

Themes and Declamation.

ELECTIVE STUDIES :

Latin.—Tacitus or Quintilian : Exercises in writing Latin.

Greek.—Thucydides : Antigone of Sophocles.

Mathematics.—Analytical Geometry and Calculus.

Physics.—Ganot's.

Modern Languages.—French ; German ; Spanish ; Italian.

SECOND TERM.

REQUIRED STUDIES :

Mechanics.—Statics : Dynamics.

Mineralogy.—Dana's.

Philosophy.—Atwater's Logic.

History.—Student's France.

Themes and Declamation.

ELECTIVE STUDIES :

Mathematics.—Differential and Integral Calculus.

Practical Chemistry.

Ancient Languages.—Latin ; Greek.

Modern Languages.—French ; German ; Spanish ; Italian.

SENIOR CLASS.

FIRST TERM.

REQUIRED STUDIES :

Astronomy.—White's.

Geology.—Dana's.

Philosophy.—Hamilton's Metaphysics.

History.—Stephen's Lectures on the History of France.

Original Declamations.

Reading of Shakspeare.

ELECTIVE STUDIES :

Modern Languages.—French ; German ; Spanish ; Italian.

SECOND TERM.

REQUIRED STUDIES :

Geology.—Dana's.

Philosophy.—Jouffroy's Introduction to Ethics: Evidences of Natural and Revealed Religion.

Political Economy and Constitutional Law.

History.—Constitutional History of England.

Original Declamations.

Reading of Shakespeare.

ELECTIVE STUDIES :

Modern Languages.—French ; German ; Spanish ; Italian.

LECTURES.

Lectures will be delivered in Chemistry, Natural Philosophy, History, English Language and Literature, Ancient Languages and Literature, Comparative Philology, Natural History, Geology, Botany, Comparative Anatomy, Outlines of Constitutional and Commercial Law, Astronomy, and other topics, according to the capacity of students for receiving benefit from this mode of instruction.

Arrangements have been made for a course of *University Lectures* on scientific and general subjects, to be open to the public.

THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the year 1871-72 :

FIRST TERM.

<i>President</i>	WM. J. S. BRYAN.
<i>Vice-President</i>	M. H. POST.
<i>Secretary</i>	L. S. METCALFE, JR.

SECOND TERM.

<i>President</i>	E. M. BOWMAN.
<i>Vice-President</i>	W. J. S. BRYAN.
<i>Secretary</i>	W. BARTLETT.

A paper called the *Irving Union* is published monthly, under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the year 1871-72 :

FIRST TERM.

J. M. GLOVER	<i>Chief Editor.</i>
H. M. POST	<i>Literary Editor.</i>
E. C. JEWETT	<i>Local</i> “
T. M. MINOR	<i>Associate</i> “
W. F. PATRICK	<i>Business Manager.</i>

SECOND TERM.

E. C. JEWETT	<i>Chief Editor.</i>
J. W. SPARGO	<i>Literary Editor.</i>
L. S. METCALFE, JR.	<i>Local</i> “
M. L. HOLMAN	<i>Associate</i> “
W. F. PATRICK	<i>Business Manager.</i>

LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has recently been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic Department and the professors, has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises.

SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academic, Collegiate or Polytechnic Departments. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

DEGREES.

The degree of Bachelor of Arts will be granted to those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

After this year a diploma fee of three dollars will be charged, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

VACATIONS.

There will be a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the Institution.

TUITION.

A matriculation fee of five dollars will be charged, payable in advance.

The tuition in this Department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term. A charge of one dollar each term will be made for incidental damages and repairs.

IV. O'FALLON POLYTECHNIC INSTITUTE,

OR

POLYTECHNIC DEPARTMENT.

FACULTY.

W. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

GEORGE B. STONE, A.M.

CALVIN M. WOODWARD, A.M., *Dean.*

MARSHALL S. SNOW, A.M.

LEOPOLD NOA.

HENRY POMEROY, A.M.

WM. EIMBECK, U.S.C.S.

WM. B. POTTER, A.M., E.M.

F. WM. RAEDER, S.B.

DENHAM ARNOLD, A.M.

CHARLES A. SMITH, C.E.

FRED. M. CRUNDEN, A.B.

J. W. PATTISON.

STUDENTS.

SENIOR CLASS.

<i>Name.</i>	<i>Residence.</i>	<i>Room.</i>
Abadie, Emile Rector.....	Detroit, Mich..	Dormitory.
Delano, Rufus Judah.....	Dayton, O	Dormitory.
D'Oench, Albert Fred.....	St. Louis.....	1201 St. Ange av.
Total		3.

JUNIOR CLASS.

<i>Name.</i>	<i>Residence.</i>	<i>Room.</i>
Abeles, Robert.....	St. Louis	1515 S. Thirteenth st.
Chauvenet, Samuel	} St. Louis	2703 Lucas av.
Hemple, A.B.....		
Hotchkiss, Frank.....	St. Louis Tp...	Florissant av.
Lovington, Adolphus.....	E. St. Louis...	East St. Louis.
Ringeling, Nicholas Ber-	} St. Louis.	2205 Olive st.
thold.....		
Taussig, Hubert.....	St. Louis.....	1423 Hickory st.
Total.....		6.

SOPHOMORE CLASS.

<i>Name.</i>	<i>Residence.</i>	<i>Room.</i>
Allen. Geo. Washington...	St. Louis.....	1414 Lucas Place.
Bartlet, Winthrop.....	St. Louis.....	2606 Gratiot st.
Burger, Wm. A. Gustave...	St. Louis.....	1218 North Seventh st.
Dorset, Walter Blackburn..	Bridgeton.....	1616 Dodier st.
Forster. Conrad Augustus..	St. Louis.....	809 South Sixth.
Healy, Michael Francis....	St. Louis.....	1415 Gay st.
Hoeber. Adolph.....	St. Louis.....	1121 St. Ange av.
Holman, Minard Lafever...	St. Louis.....	Cook and Spring avs.
Jackson, Andrew Milton...	St. Louis.	1926 Wash st.
Minor, Thomas Aldridge...	St. Louis.....	1622 Clark av.
Total.....		10.

FRESHMAN CLASS.

<i>Name.</i>	<i>Residence.</i>	<i>Room.</i>
Durkee, Charles Edward...	St. Louis.....	2803 Locust st.
Eisenhardt, Otto.....	St. Louis.....	1018 South Eighth st.
Glasgow, Edward James...	Ingleside.....	1510 Washington av.
Hight, George Bolivar	St. Louis.....	1112 North 25th st.
Holman, John Orrick.....	St. Louis.....	Cook and Spring avs.
Ludlow, Francis Maury, } Junior	St. Louis.....	Compton and Rappa- hannock avs.
McKee, James David.....	St. Louis.....	214 Mullanphy st.
Morse, Charles Morgan...	Kirkwood.	Kirkwood.
Roeder, Victor Charles....	Belleville.....	Dormitory.
Smith, Francis Merri- } weather.....	Sulphur Springs....	1428 Poplar st.
Smyth, Willie Gore.....	St. Louis.....	1313 Pine st.
Suppiger, Louis Godfried..	Highland	1428 Poplar st.
Tansey, Robert Park, Jr...	St. Louis.....	3005 Glasgow Place.
Total		13.

STUDENTS NOT CANDIDATES FOR A DEGREE.

<i>Name.</i>	<i>Residence.</i>	<i>Room.</i>
Gentry, Richard Thomas.....	Sedalia.....	906 Pine st.
Hirschberg, Francis DeVance....	St. Louis	1308 Olive st.
Ilgenfritz, Clarence Edward.....	Sedalia.....	906 Pine st.
Marvin, Edward Richardson.....	Sedalia.....	906 Pine st.
Total.....		4.

SUMMARY.

Seniors.....	3
Juniors.....	6
Sophomores.....	10
Freshmen.....	13
Students not candidates for degree.....	4
Total.....	36

CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be sixteen years old, and must have received a good common English education. They must, especially, exhibit a thorough acquaintance with Arithmetic, Algebra (through Quadratics), three books of Chauvenet's Geometry (or an equivalent), Physical Geography, Physiology, Elementary Philosophy, German Grammar and Reader, and American and English History. Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman Year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see Calendar); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this Department will join the Preparatory Scientific Class, in the Academy. (See page 29.)

COURSES OF STUDY.

The regular Courses of Study and Instruction in this Department extend through four years, and are generally intended to prepare students for professional work, either as Engineers, Chemists or Architects. It is not assumed, however, that all who avail themselves of the advantages of this Department will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any of its branches as their path of labor. But it is expected that all who complete any of the following Courses of study will exhibit that mental discipline which enables one to undertake the solution of the hard problems of business-life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the

wealth with which they are surrounded. The Courses are five in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.

The studies are the same for all the Courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either Course, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of Bachelor of Science.

Special students will be received in any of the Courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the Department. The distribution of studies and exercises is substantially as follows:

FRESHMAN CLASS.

FIRST TERM.

Mathematics.—Geometry (Chauvenet's) completed.

Physics.—(Wells's) Natural Philosophy.

German.

History.

Free-Hand Drawing.

Mechanical Drawing.—Construction of Problems, Use of Scales, India Ink, &c., Construction of Plans.

English.—Declamation and Composition; Rhetoric.

SECOND TERM.

Mathematics.—Algebra (Greenleaf's Higher) finished.

Physics.—(Ganot's) Pneumatics, Heat, Electricity and Magnetism.

French.—Ploetz's Grammar.

Free-Hand Drawing.

Descriptive Geometry.—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, &c.

English.—Declamation and Composition; Rhetoric.

SOPHOMORE CLASS.

FIRST TERM.

Mathematics.—Plane and Spherical Trigonometry (Chauvenet's); Analytic Geometry (Puckle's).

Physics.—(Ganot continued) Acoustics, Optics, and Meteorology.

Descriptive Geometry.—Intersection of Surfaces; Construction of Paper, Zinc, and Plaster Models.

Theoretical Chemistry.—Roscoe's with Lectures.

Free-Hand Drawing.

English.—Composition and Rhetoric.

SECOND TERM.

Mathematics.—Analytic Geometry continued.

Surveying.—(Gillespie's) Chain and Compass Surveying; Practice in the Field.

Descriptive Geometry.—Spherical and Isometric Projections; Shades and Shadows; Perspective.

Practical Chemistry.—Qualitative Analysis.

Mineralogy.—Dana's Manual.

Free-Hand Drawing.—Machinery and Architecture.

English.—Composition and Rhetoric; Ethics (Champlin's); Lectures.

I.—COURSE IN CIVIL ENGINEERING.

JUNIOR CLASS.

FIRST TERM.

Mathematics.—Differential Calculus.

Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.

Surveying.—Levelling and Transit Surveying; Adjustment and Use of Instruments in the Field.

Physics.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, &c., in Plaster.

Geology.—Dana's Manual; Lectures.

Practical Chemistry.—Qualitative Analysis.

Drawing.—Models, Arches, &c.; Shading.

English.—Composition.

SECOND TERM.

Mathematics.—Integral Calculus; Analytic Mechanics.

Civil Engineering.—(Henck's) Railroad Engineering; Field Work.

Mechanics.—(Rankine's) Applied Mechanics.

Physics.—Laboratory Practice.

Drawing.—Machines, Profiles, Bridges.

English.—Descriptions of Actual Engineering Operations.

SENIOR CLASS.

FIRST TERM.

Civil Engineering.—Rankine's Manual of Civil Engineering.

Mechanics.—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.

Drawing.—Of Constructions from Actual Measurement.

Astronomy.—White's Elements.

English.—Descriptions as last Term.

SECOND TERM.

Civil Engineering.—Structures of Wood, Stone, and Iron; Designing, and Computing the parts of Bridges, Roofs, &c.

Mechanics.—Water Wheels, Engines.

Drawing.—Designs of Structures.

Political Economy.—Bowen's.

Practical Astronomy.—Use of Instruments; Determination of Time, Latitude, and Longitude.

English.—Graduation Thesis.

II.—COURSE IN MECHANICAL ENGINEERING.

JUNIOR YEAR.

FIRST TERM.

- Mathematics*.—Differential Calculus.
Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery.
Machinery.—Cinematics; Principles of Mechanism.
Geology.—Dana's Manual; Lectures.
Practical Chemistry.—Qualitative Analysis.
Physics.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, &c.
Drawing.—Machinery and Models.
English.—Composition.

SECOND TERM.

- Mathematics*.—Integral Calculus; Analytical Mechanics.
Machinery.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.
Mechanics.—Rankine's Applied Mechanics.
Physics.—Laboratory Practice.
Drawing.—Machine Drawing continued.
English.—Descriptions of Machinery in Actual Use.

SENIOR YEAR.

FIRST TERM.

- Machinery*.—Study of different Machines; Strength of Materials.
Mechanics.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)
Drawing.—Of Working Machinery.
Astronomy.—White's Elements.
English.—Descriptions as previous Term.

SECOND TERM.

Machinery.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

Mechanics.—Theoretical Study of the Prime Movers; Water-wheels and Engines.

Drawing.—Designs of Machines.

Political Economy.—Bowen's.

English.—Graduation Thesis.

III.—COURSE IN CHEMISTRY.

JUNIOR AND SENIOR YEARS.

Daily Instruction in the Laboratory, including—

Qualitative and Quantitative Analysis;

Pharmaceutical Preparations for the Laboratory and Apothecary, and the Methods of determining the Value of Drugs;

Mineral Assays, Metallurgy, Analysis of Soils and Ashes;

Examination of Poisons, Uses and Value of Manures;

Mineralogy and Geology;

The application of Chemistry to the Arts and Manufactures.

IV.—COURSE IN MINING AND METALLURGY.

JUNIOR YEAR.

Mathematics.—Differential and Integral Calculus.

Descriptive Geometry.—Applications to Masonry and Machinery.

Surveying.—Levelling and Transit Surveying; Adjustment and Use of Instruments in the Field.

Chemistry.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

Geology.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

Mineralogy.—Blowpipe Examination of Minerals.

Mining.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, &c.

Mining Tools, Tunnelling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation—Hoisting Engines, Cages, Cars, Man Engines, &c.

Visits to neighboring Coal, Iron, Lead, and Zinc Mines.

Metallurgy.—General Metallurgy—Classification of Processes; Furnaces, Modes of Construction; Refractory Building Materials, Natural and Artificial, Manufacture of Fire-bricks, &c.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, &c.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, &c.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, &c.; Hot Blast Stoves; Lifts, &c.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, &c.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, &c.

Mechanics.—Rankine's Applied Mechanics.

Physics.—Laboratory Practice.

Drawing.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, &c.

SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

SENIOR YEAR.

Mining.—Ventilation, Natural and Artificial; Measurement of Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, &c.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Digging Machines, &c.; Washing and Dressing of Coal, &c. General Management of Mines, &c.

Chemistry.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, &c.

Assaying.—Lectures and Laboratory Practice; Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

Economic Geology.—Occurrence and Distribution of Ores: Iron, Lead, Copper, &c.; Character, Uses, and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, &c.

Metallurgy.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian, and Silesian Processes; Manufacture of Oxyde.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattinsonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

Blowpipe Analysis.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, &c.

Drawing.—Machines, Furnaces, Mines, &c.

Projects.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memors.

V.—COURSE IN BUILDING & ARCHITECTURE.

JUNIOR YEAR.

Architectural Design.—The Elements of Design; the Principles of Composition; Examination of Architectural Works.

Descriptive Geometry.—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, &c.

Mathematics.—Differential and Integral Calculus.

Physics.—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.

Geology.—Dana's Manual; Lectures.

Practical Chemistry.—Qualitative Analysis.

Drawing.—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.

Mechanics.—Principles of Statics; Rankine's Applied Mechanics.

English.—Composition; Descriptions of Prominent Buildings, &c.

SENIOR YEAR.

Architecture.—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.

Engineering.—Stability of Structures, Stress; Strength and Stiffness of Girders, Pillars, &c.; Foundations, Walls, Roofs; Building Materials.

Physics.—Laboratory Practice, in Testing Materials, Ventilation, Warming, &c.; Modelling in Plaster and Wood; Framing in Wood and Iron.

Drawing.—Designing Architectural Ornaments; Architecture; Landscape; Designs for particular Structures; Drawing from Memory.

Political Economy.—Bowen's.

English.—Graduation Thesis.

MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the Collegiate or Academic Classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this Department. Besides this magnificent building, there are: a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities will be procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

CIVIL AND MECHANICAL ENGINEERING.

The Department is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. Besides a full set of ordinary Surveying instruments, it has just received from Young, of Philadelphia, a Transit and a Level, both specimens of first-class workmanship. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, &c., adorn the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, a two-horse power Steam-engine, and a large number of the more unusual combinations of machinery. It is proposed to purchase an elegant machine for the purpose of testing the strength of all

the materials used in Engineering. This will be placed in the Physical Laboratory, where each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, &c.

The instruction in these branches is given from text-books, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling mills, furnaces, and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to rear not mere theorizers, but practical, far-seeing business men.

THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic Department has been established during the past year, and is now in full working order. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations^s in mining and metallurgy, which are to play such an important part in the development of the resources of our country. And it must be evident that few if any places in the country possess so many and great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, Preparatory to the special work of the course on mining and

metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field work in Geology, &c.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of and reports on mines and manufacturing establishments.

COLLECTIONS

have already been made, and are constantly being added to, embracing models of crystals, and specimens illustrating the various minerals and rocks and their association; ores, coals, petroleum, fire clays, building materials, &c., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will in time be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, &c., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to meet with in the field and the various products in metallurgical operations.

ASSAY LABORATORIES

will, before the opening of the next term, be completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, &c., and with volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture-rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, &c., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacations they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

The Chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing will soon be fitted up for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first floor of the large building will be appropriated to the State Geological cabinet to be mentioned below. Students who propose to become professional chemists will spend almost their entire time during their third and fourth years in the Laboratories.

PHYSICAL LABORATORY.

It is intended to make this new feature in education a very important item in the study of Physics. A large room, about forty-two feet square, on the third floor, has been appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

For the use of the students in this and the Chemical Laboratories there is a

WORK-SHOP

containing an elegant lathe made expressly for the University by the Fitchburg Machine Company, of Massachusetts, for turning wood and iron; a work-bench and a full set of carpenter's and modelling tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession.

The headquarters of the

STATE GEOLOGICAL SURVEY

are located at this Institution. It is here that the examination, classification, analysis and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology or any of its cognate sciences, is in one of the most spacious rooms of this Department, and at all suitable times will be open for the use of students of the University.

VACATION WORK.

In this connection, reference should be had to the agreement made by the Superintendent of the United States Coast Survey, to authorize the organization every Summer Vacation of a Surveying party, consisting of the civil engineering students of this Department, under the charge of a competent officer, for the purpose of performing the secondary triangulation of the State of Missouri. (The Observatory on the University grounds has already been made a point of great importance in the primary survey.) In this work, although the pay is small—about a dollar a day and “found”—there is excellent opportunity to earn *something*, and to learn the details of the very best surveying practice in the world.

FREE-HAND DRAWING.

Through the instruction and direction of Mr. J. W. Pattison, Artist, this subject has assumed a position of great importance in this Department. The large hall over the rooms of the College has, since the completion of the Polytechnic wing, been entirely devoted to its use. Already it contains one of the best collections of casts from the antique and other drawing models in the Mississippi Valley. It includes full-length statues, torsos, busts, heads, feet, hands, legs, groups, &c., besides other models. The high, niched windows afford every facility for lighting these articles, while the hall—about 75x35 feet—accommodates a large number of students simultaneously. Besides the Sophomores and Freshmen, who are required to attend regularly, and a large number of students from the Academy, adult classes of special students in Free-Hand Drawing, consisting chiefly of ladies, have been formed, which meet three times per week. These students, whose names do not appear in this catalogue, pay each a small tuition, according to the amount of instruction received. It is earnestly hoped that all who are interested in this matter will make an effort to avail themselves of the unusual advantages here offered for the study of Art and the practice of Drawing.

PRACTICAL ASTRONOMY.

The Astronomical Instruments include an Equatorial Telescope of seven-inch aperture, by Fitz; a Pistor and Martin's Sextant of six-inch radius; a forty-eight inch meridian circle, permanently lent by the United States Coast Survey; a fine Chronometer, by Dent, of London; and a Transit for Longitude observations.

EXAMINATIONS.

The Examinations in this Department are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. After this year a diploma fee of three dollars will be charged, payable in advance. The Degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

A charge of one dollar a term will be made for incidental damages and repairs.

BOARD AND LODGING.

Students living far from the University can be supplied with rooms in the Dormitory building before referred to. The rent for a single room is \$12 per term; for a double room \$20 per term—that is, \$10 for each occupant. The rooms are unfurnished, but when the students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, &c., the students must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and, should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

EXPENSES.

The minimum expense of maintaining a student in this Department one year is:

Tuition.....	\$100 00
Rent of room.....	20 00
Board, fuel and washing, at \$5 per week.....	200 00
Books, Instruments, &c.....	30 00
	<hr/>
Total.....	\$350 00

SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships" and "Sustentation Fund," on page 11; and of other Scholarships on page 60.

ELEMENTARY DEPARTMENT

OF THE

O'FALLON POLYTECHNIC INSTITUTE.

In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free Evening Schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the Common School system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct out-growth of the O'Fallon Polytechnic Institute.

During the year 1865, a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the College Classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to

make Washington University practically a part of the great American Public School system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization; the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventh streets.

The University Instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected, adjoining the College building on Washington avenue, at a cost, including the ground and the apparatus, of \$100,000, for its permanent use. The preparatory instruction is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose;

and may secure for himself library and advanced educational facilities in one or the other division of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a closer connection with the educational needs of the times. The title of the Polytechnic Building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained, at once, what otherwise might have been postponed for an indefinite period, through lack of means.

THE AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, [with that of O'Fallon, will ever be associated with] education in America, in every department thereof, from the common schools to the higher walks of University culture.

EVENING SCHOOL

AT THE

POLYTECHNIC BUILDING,

Cor. of Seventh and Chestnut Sts.

TEACHERS:

REGIS CHAUVENET, *Principal.*

CHAS. A. SMITH,

JOHN W. SPARGO,

WM. J. S. BRYAN.

STUDENTS

In English Grammar, Arithmetic and Book-Keeping.

NAME.

Adams, Oliver,
Bain, Archibald,
Baker, Frederick,
Ballmann, Wm.,
Becker, Benjamin,
Bert, Henry,
Boardman, Henry,
Bogard, John, Jr.,
Bogard, Merrean,
Brower, Gideon,
Brunold, Chas. A.,
Byrnes, J. W.,
Cadwallader, Wm.,
Coleman, John, Jr.,

NAME.

Conway, Wm. H.,
Corcoran, John J.,
Dassler, Edward,
Davis, Samuel L.,
Dellit, Andrew,
Devereau, Nicholas,
Dickson, Herbert,
Donayski, Frank,
Doriat, Julius,
Dryden, Jos. L.,
Elam, Wm.,
Feiler, Adolph,
Filsinger, Henry,
Fimmerty, Thomas,

Fitzgerald, David E.,	Meyer, Leo. J.,
Frey, Gustav,	Milton, Frank,
Freyschlag, Edw.,	Moffett, J. C.,
Fulton, Wm.,	Neumeister, C.,
Garvey, Joseph,	Niehaus, Edward,
Gerst, Albert,	Nolte, August,
Glaser, Robert,	Nolte, Wm. J.,
Hall, William,	Oesterle, Louis,
Halley, William,	Oltmaus, John,
Hampson, Jonas M.,	Peck, Wm. H.,
Hebert, William,	Puellman, A. O.,
Helmerich, L. G.,	Reichenbach, Theo.,
Herrmann, John P.,	Robinson, Hy. W.,
Hiementz, Frank,	Rosenfield, Morris S.,
Hubbard, Thos. A.,	Ryan, E. J.,
Hummel, J.,	Ryland, John J.,
Jenkins, Samuel,	Sabelle, John B.,
Jones, H. M.,	Samuels, Simon,
Jones, Richard,	Schaeffer, Gus. A.,
Jones, Wm. H.,	Schermann, Henry,
Kauffmann, Sol. M.,	Schoenweiss, Wm. F.,
Kettenbach, Henry,	Schroeder, Wm.,
Kiely, Thomas,	Schweer, Henry,
King, Michael,	Smith, Henry,
Koken, Wm. T.,	Smith, Wm. A.,
Lawrence, Wm. H.,	Stamm, Ernest,
Leffler, Albert,	Sullivan, James,
Lentz, H.,	Tilton, Edgar D.,
McGrade, Wm.,	Wachter, August,
McGrath, Jos. A.,	Wachter, Gustav.,
McJilton, Lewis,	Wendover, Wm. A.,
Mainer, William,	White, Henry,
March, Francis,	Wieseholm, L. C.,
Marx, Henry,	Williams, Chas. D.,
Marx, Henry S.,	Williams, T. E.,
Menck, H. R.,	Young, Wm., Jr.,
Mentrup, John,	Zeis, Emil.

Total..... 102.

Students in Line-Drawing.

Alewel, Henry,	Keane, John J.,
Alsdorf, Wm. C.,	Kilbinger, Frank,
Barry, Herbert,	Kingham, G. H.,
Brunoboos, Julius,	Krewett, Chas. A.,
Burke, James,	Lehnert, Henry,
Crookes, Joseph,	McCarty, P. J.,
Diestelkamp, C. H.,	Mason, Chas. H.,
Gesell, Charles,	Niemeyer, Frederick,
Goebel, Arthur,	Osterhorn, Robert,
Graham, Frank,	Pipe, John L.,
Hartman, Wm.,	Steinberg, Geo. H.,
Hayward, Thos. E.,	Stone, T. J.,
Hoelzer, Charles,	Thomson, Henry,
Humphrey, Samuel,	Wright, Jos. P.,
Jones, John R.,	Loeckler, G. A.
Total	30.

Students in Geometry, Algebra and Chemistry.

Barry, Herbert,	Koken, Ernest,
Belt, Henry,	Kraft, Frank,
Brandley, Albert R.,	Kroemer, Ferdinand,
Brandley, Edw. J.,	Mohrhardt, Francis,
Buechel, Edw. C.,	Raub, Warren,
Curtis, John M.,	Ruhland, Geo. A.,
Dement, Richard B.,	Ruhland, Wm.
Dement, Thos. P.,	Schieber, Jos. A.
Durban, Jacob,	Schmidt, Adolph,
Dutton, George,	Schurk, Lewis,
George, Sargent W.,	Sheehy, Charles,
Graham, Frank,	Smith, Philip,
Hayward, Thos. E.,	Weaver, Charles,
Hynson, Isaac C.,	Wochner, Michael J.,
Kauffmann, Samuel,	Wright, Joseph P.
King, Moses,	
Total	31.

SUMMARY.

Students in English Grammar, Arithmetic and Book-keeping	102
“ in Line-Drawing	30
“ in Algebra, Geometry and Chemistry.....	31
	<hr/>
	163
Deduct for names inserted twice.....	4
	<hr/>
Total	159

THE COURSE OF STUDY

In the Evening School includes the following subjects :—Higher Arithmetic, Algebra, Geometry, English Grammar, Physics, Line-Drawing, Chemistry, and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

THE TERM

Has been fixed by the Board at five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day time, who could pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

V. LAW DEPARTMENT.

FACULTY.

- HENRY HITCHCOCK, *Provost of Law Department.*
HON. SAMUEL TREAT (*U. S. Dist. Judge, E. Dist. of Mo.*),
President of Law Faculty.
HON. ALBERT TODD.
HON. SAMUEL REBER (*late Judge St. Louis Circuit Court.*)
HON. JOHN M. KRUM, " " " " "
ALEXANDER MARTIN.
HON. GEORGE A. MADILL (*Judge St. Louis Circuit Court.*)
HON. RODERICK E. ROMBAUER (*late Judge St. Louis*
Circuit Court.)
GEORGE M. STEWART, *Dean of Law Faculty.*

ADVISORY AND EXAMINING BOARD.

- PRESIDENT — HON. SAMUEL F. MILLER,
Justice of the United States Supreme Court.
HON. JOHN F. DILLON, *U. S. Circuit Judge.*
HON. DAVID WAGNER, *Justice of Supreme Court of Mo.*
HON. W. B. NAPTON, *late Justice of Supreme Court of Mo.*
HON. ARNOLD KREKEL, *U. S. Dist. Judge, W. Dist. of Mo.*
HON. J. D. S. DRYDEN, *late Justice of Supreme Court, Mo.*
HON. EPHRAIM B. EWING, *Cir't Judge, St. Louis Co., Mo.*
HON. JAMES K. KNIGHT, " " " " "
HON. JAMES J. LINDLEY, " " " " "
HON. HORATIO M. JONES, " " " " "
HON. JAMES R. LACKLAND, *late Judge St. Louis Cir. Court.*
JAMES O. BROADHEAD, Esq.
JOHN R. SHEPLEY, Esq.
SAMUEL T. GLOVER, Esq.
CHARLES C. WHITTELSEY, Esq.

STUDENTS.

SENIOR CLASS—1871-2.

<i>Name.</i>	<i>From.</i>	<i>Residence.</i>
Church, Walter L.....	St. Louis, Mo.....	1708 Chesnut st.
Coppinger, John W. S....	Alton, Ill.....	14 N. Fourth st.
D'Arcy, Henry I.....	St. Louis, Mo.....	717 Chesnut st.
Drewer, Edward J.....	" "	722 S. Eighth st.
Goldsmith, David.....	" "	623 Walnut st.
Long, William P.....	" "	Taylor Place.
Maxwell, John L.....	" "	1002 Olive st.
McCann, John J.....	" "	1531 Market st.
Mills, Henry E	Upper Alton, Ill....	3048 Cass avenue.
Murphy, Michael J.....	Carondelet, Mo.....	Cor. Adams & 4th st.
Nagel, Charles.....	St. Louis, Mo.....	924 North 6th st.
Nimmo, Leander W.....	Jonesboro, Ill.....	704 Pine st.
Niggeman, Albert.....	St. Louis, Mo.....	1316 N. 15th st.
O'Gorman, Henry.....	" "	1428 Chesnut st.
Rowe, Thomas J.....	" "	3003 Market st.
Smith, Leander J.....	" "	311 Chesnut st.
Sullivan, M. John.....	Washington, D. C..	1130 Jefferson av.
Tallman, Henry M.....	St. Louis, Mo.....	1725 Morgan st. [sts.
Taussig, George W.....	" "	Cor. Dillon and Hickory
Tittmann, Eugene C.....	" "	1113 S. Thirteenth st.
Wislizenus, Frederic A...	" "	500 S. Fifth st.
Total.....		21.

JUNIOR CLASS.

Carlisle, James L.....	St. Louis, Mo.....	312 N. Eleventh st.
Clark, Benjamin F.....	St. James, Mo.....	1203 Washington av.
Dassler, Charles F. W....	St. Louis, Mo.....	18 N. Eleventh st.
Dickson, Martin F.....	" "	" "

<i>Name.</i>	<i>From.</i>	<i>Residence.</i>
English, John W.....	Warsaw, Ill.....	8th and Chesnut sts.
George, Francis A.....	St. Louis, Mo.....	2704 Locust st.
Goode, Robert W.....	" "	2d and Pine st.
Gostorf, George W.....	" "	1433 Carondelet av.
Gottschalk, Edward L...	" "	1509 Geyer av.
Harrison, William.....	Marshall, Mo.....	103 N. Eighth st.
Hawkins, Reuben T.....	Clinton Co., Ill....	3d st. & Wash'n av.
Hedges, Benjamin F.....	St. Louis, Mo.....	219 N. Fifth st.
Hess, Oliver G.....	Carthage, Mo.....	Geyer, near Jeff. av.
Hunt, Theodore.....	St. Louis, Mo.....	104 N. Fourth st.
Jamison, Claude D.....	Cuba, Crawford } County, Mo. }	1801 Olive st.
Ladd, Jacob L.....	Mexico, Mo.....	705 Pine st.
McSween, Alex. A.....	Whitehall, Ill.....	1511 Carr st.
Muench, Hugo.....	Dutzow, Warren } County, Mo. }	1511 Carr st.
Nicholson, James B.....	St. Louis, Mo.....	s. s. Lafayette Park.
Norcross, Winfield S.....	O'Fallon, Ill.....	1002 Olive st.
Obermeyer, Simon.....	St. Louis, Mo.....	526 Myrtle st.
O'Rourke, John F.....	Carondelet, Mo.	
Pearson, James M.....	Carrollton, Miss....	1422 Olive st.
Peete, Hiram L.....	St. Louis, Mo.....	1917 Biddle st.
Prescott, Barnett W.....	" "	Delaware, near Cal- ifornia st.
Provenchere, Peter W....	" "	8th st. & Chout. av.
Riley, Henry C.....	New Madrid, Mo....	1002 Olive st.
Schrage, Charles A.....	St. Louis, Mo.....	819 Destrehan st.
Singleton, Charles G.....	Fulton, Mo.....	2804 Clark av.
Smith, William C.....	Savannah, Mo.....	1500 Olive st.
Starr, Charles E.....	Burlington, Iowa...	610 Pine st.
Stubenrauch, Henry.....	St. Louis, Mo.....	1509 Walnut st.
Taylor, Philip V.....	" "	1510 Washingt'n av.
White, Elijah J.....	" "	5th and Chesnut sts.
Williams, Samuel D.....	Jackson, Mo.....	1002 Olive st.
Total.....		35.

The Law Department of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety and importance of the questions daily adjudicated in its tribunals unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides causes at Common Law and in Equity, also the State, Circuit and Criminal Courts and the Supreme (or highest appellate) Court of Missouri; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of five years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends during the past year, the Law School is enabled to present, give promise of still greater efficiency in the future.

COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts and Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of

legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former, as the best mode of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this Department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year." Applications for these scholarships should be made to the Provost before the 20th September.

Competition for the prize referred to is confined to the members of the Graduating Class in each year, under regulations announced at the opening of the term.

TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1872-3:

Blackstone's Commentaries (Sharswood), Books I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Story's Equity Jurisprudence, Washburn on Real Property, vol. 1; Stephens on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Parsons' Mercantile Law, Addison on Torts (abr.), Schouler's Domestic Relations.

Applicants for admission to the Senior Class of 1872-3 will be required to pass a satisfactory examination on the foregoing works before the beginning of the term, and should apply in person before or during the first week in October to the Provost or Dean.

The Senior Class will use the following:

Story on the Constitution, Parsons' Marine Insurance, Conkling's Treatise on Jur. and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, Vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's

edition—selections), Bishop's Criminal Law, Story on Sales, Edwards on Bills and Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any deduction be made from the term fee.

Applicants for the degree of LL.B. must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. Ranlett, Treasurer of the University, at the Provident Savings Institution, 513 Olive street.

Good board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

SUMMARY.

ACADEMIC DEPARTMENT.....	320
COLLEGIATE	27
O'FALLON POLYTECHNIC INSTITUTE.....	36
ELEMENTARY DEPARTMENT OF POLYTECHNIC INSTITUTE...	159
LAW DEPARTMENT.....	56
MARY INSTITUTE.....	240
Total.....	838

UNIVERSITY CALENDAR.

1871-'72.

First Term begins Monday, September 11, 1871.
 Thanksgiving Day, Thursday, November 29, 1871.
 Winter Vacation, December 23, 1871, to Jan. 1, 1872, inclusive.
 Semi-Annual Examination, January 22-26, 1872.
 Second Term begins Monday, January 29, 1872.
 Anniversary Exhibition, Thursday, February 22, 1872.
 Alumni Meeting, Thursday, February 29, 1872.
 Law Commencement, May 6, 1872.
 Holiday (see page 61), Friday, May 10, 1872.
 Senior Examination, May 30-31, 1872.
 Annual Examination, June 5-12, 1872.
 Commencement, Thursday, June 13, 1872.
 Summer Vacation, June 15 to September 9, 1872.

1872-'73.

First Term begins Monday, September 9, 1872.
 Thanksgiving Day.
 Winter Vacation, December 25 to January 3, 1873, inclusive.
 Semi-Annual Examination, January 20-24, 1873.
 Second Term begins January 27, 1873.
 Anniversary Exhibition, February 22, 1873.

LIST OF GRADUATES.

GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked.)

1862.

HENRY MARTIN ANDERSON,
CHARLES BRANCH, A.M.
HENRY BRANCH, A.M.
REGIS CHAUVENET, A.M.
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.
JOHN TILDEN DAVIS.
WILLIAM RHIND DONALDSON.
HENRY WARE ELIOT.
OSCAR WILLIAM GAUSS.
NATHANIEL GRAY SMITH HART.
CHESTER HARDING KRUM.
THOMAS KEITH SKINKER.
*JAMES STATT'S WATERS.

1864.

GEORGE WEBER CUTTER, A.M.
CHARLES EDWARD ILLSLEY, A.M.
JOHN HERAN KERCHEVAL.
JOHN GEORGE DAVID KNIGHT, A.M.
WILLIAM ELIOT SMITH, A.M.

* Deceased February 28, 1869.

1865.

HENRY GARDINER BLAKE.
FREDERICK JULIUS CASTELHUN, A.M.
WILLIAM T. GLASGOW.

1866.

*THOMAS FASSIT COLLIER.
CHARLES FLETCHER HAZARD.
JOSEPH NORWOOD LITTON.
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, Jr.
ALEXANDER GILL DONALDSON.
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK.
FREDERICK MORGAN CRUNDEN.
HARVEY HALE DELANO.
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP.
CHARLES MANNING LITTON.
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.
DAVID ROWLAND FRANCIS.
DAVID GOLDSMITH.
GEORGE WASHINGTON TAUSSIG.
LOUIS WILLIAM TEUTEBERG.
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER.
SAMUEL HEMPLE CHAUVENET.
JOHN WILLIAM HOUGH.
HENRY WILLIAM THIELE.

* Deceased July 15, 1868.

GRADUATES IN POLYTECHNIC DEPARTMENT.

1866.

REGIS CHAUVENET, B.S.

EDWARD SINGLETON HOLDEN, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871.

EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.

RUDOLPH RITTER, C.E.

ELLIOTT HINCKLEY WILSON, C.E.

GRADUATES IN LAW.

1869.

MAURICE D. COLLIER.

DANIEL DILLON.

JAMES S. GARLAND.

WILLIAM E. HALL.

JOHN H. NICHOLSON.

JOHN P. PLAYER.

GIFFORD S. ROBINSON.

CHARLES H. SEE.

PHILIP SUTHERLIN.

PETER J. TAAFFE.

JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY.
LEWIS E. BEACH.
NATHANIEL C. DRYDEN.
EDWARD P. McCARTY.
WILLIAM F. MARSH.
OTTO W. MEYSENBERG.
RICHARD H. NORTON.
ALFRED A. PAXSON.
WILLIAM T. RICHMOND.

1871.

COUZINS, PHEBE W.
DeMENIL, ALEX. N.
DOOLY, SILAS W.
HART, HENRY C., JR.
HOGG, HENRY C.
HOUSTON, WM. T.
JUDSON, FRED. N.
KUEFFEN, WM. C.
MARTIN, FOSTER T.
MURPHY, DAVID.
SMITH, WILLARD A.
WINFIELD, WM. H. H.

*
HONORARY GRADUATES.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.

A CATALOGUE

OF THE

COURSES, STUDENTS, AND OFFICERS OF STUDENT

OF THE

OF THE UNIVERSITY OF WASHINGTON

OF THE

WASHINGTON UNIVERSITY,

FOR THE

ACADEMIC YEAR 1875-76

— — —

BY J. M. JONES

WASHINGTON: THE UNIVERSITY PRESS

1875



A CATALOGUE

OF THE

OFFICERS, STUDENTS, AND COURSES OF STUDY

IN THE

SEVERAL DEPARTMENTS

OF

WASHINGTON UNIVERSITY,

FOR THE

ACADEMIC YEAR 1872-73.



ST. LOUIS:

DEMOCRAT LITHO. AND PRINTING CO.

1873.



UNIVERSITY CALENDAR.

1872-73.

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FIRST TERM begins Monday, September 9, 1872.

THANKSGIVING DAY, Thursday, November 28, 1872.

WINTER VACATION, December 25, 1872, to January 5, 1873, inclusive.

SEMI-ANNUAL EXAMINATION, January 20-24, 1873.

SECOND TERM begins Monday, January 27, 1873.

ANNIVERSARY EXHIBITION, February 22, 1873.

ALUMNI MEETING, Thursday, February 27, 1873.

LAW COMMENCEMENT, Monday, May 12, 1873.

HOLIDAY, Friday, May 9, 1873.

SENIOR EXAMINATION, May 29-30, 1873.

ANNUAL EXAMINATION, June 4-11, 1873.

COMMENCEMENT, Thursday, June 12, 1873.

SUMMER VACATION, June 12 to September 8, 1873.

1873-74.

FIRST TERM begins Monday, September 8, 1873.

THANKSGIVING DAY. —————, —————, 1873.

WINTER VACATION, December 24, 1873, to January 4, 1874, inclusive.

SEMI-ANNUAL EXAMINATION, January 19-23, 1874.

SECOND TERM begins January 26, 1874.

ANNIVERSARY EXHIBITION, February 22, 1874.

# CORPORATION.

---

PRESIDENT :

WILLIAM G. ELIOT.

VICE-PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

|                   |                    |
|-------------------|--------------------|
| WILLIAM G. ELIOT, | JAMES H. LUCAS,    |
| WAYMAN CROW,      | HUDSON E. BRIDGE,  |
| JOHN M. KRUM,     | HENRY HITCHCOCK,   |
| JAMES SMITH,      | JAMES E. YEATMAN,  |
| SETH A. RANLETT,  | SAMUEL TREAT,      |
| GEORGE PARTRIDGE, | CARLOS S. GREELEY, |
| JOHN R. SHEPLEY,  | ROBERT CAMPBELL,   |
| ALBERT TODD,      | JOHN P. COLLIER,   |
| JOHN T. DAVIS.    |                    |

# OFFICERS

OF

## GOVERNMENT AND INSTRUCTION.\*

|                                                                                                                                                              | RESIDENCE.          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| W. G. ELIOT, D.D., <i>Chancellor and Tileston Professor of Political Economy</i> .....                                                                       | 2660 Washington av. |
| ABRAM LITTON, M.D., <i>Eliot Professor of Chemistry</i> .....                                                                                                | 2220 Eugenia st.    |
| —— ———, <i>Wayman Crow Prof. of Physics</i> .                                                                                                                |                     |
| TRUMAN M. POST, D.D., <i>Professor of Ancient and Modern History</i> .....                                                                                   | 3031 Lucas av.      |
| GEORGE ENGELMANN, M.D., <i>Professor of Botany and Natural History</i> .....                                                                                 | 201 S. Fifth st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Professor of Intellectual and Moral Philosophy, and Principal of Mary Institute</i> .....                                 | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A.M., <i>Collier Professor of Greek</i> .....                                                                                          | 1729 Washington av. |
| GEORGE B. STONE, A.M., <i>Professor of Rhetoric, and Principal of the Academy</i> .....                                                                      | 1016 N. 17th st.    |
| HENRY HITCHCOCK, A.M., <i>Prof. of Real Prop. Law, and Provost of the Law Dep't.</i> .....                                                                   | 1507 Lucas Place.   |
| SAMUEL TREAT, A.M., <i>Lecturer on Constitutional and Admiralty Law and Practice and Proceedings in U. S. Courts, and President of the Law Faculty</i> ..... | 1114 Pine st.       |

\*Arranged, with the exception of the Chancellor, in the order of appointment.

|                                                                                                                                   |                                              |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| ALBERT TODD, A.M., <i>Lecturer on the Law of Real Property as applied to Conveyancing....</i>                                     | RESIDENCE.<br>Park av. w. of Lafayette Park. |
| ALEXANDER MARTIN, A.M., <i>Professor of International, Constitutional, Admiralty and Maritime Law.....</i>                        | 203 Pine st.                                 |
| SAMUEL REBER, A.M., <i>Prof. of the History and Science of Law, Equity and Succession...</i>                                      | 2206 Olive st.                               |
| JOHN M. KRUM, A.M., <i>Lecturer on Roman Law.....</i>                                                                             | 1107 Washington av.                          |
| GEORGE A. MADILL, A.M., <i>Professor of Real Property Law .....</i>                                                               | 2347 Market st.                              |
| CALVIN M. WOODWARD, A.M., <i>Thayer Professor of Mathematics and Applied Mechanics, and Dean of the Polytechnic Department...</i> | { Park Pl. s. of Lafayette av.               |
| GEORGE E. JACKSON, A.M., <i>Professor of Latin.....</i>                                                                           | { Washington av. w. of Grand av.             |
| MARSHALL S. SNOW, A.M., <i>Professor of Belles-Lettres and Registrar of the College.....</i>                                      | 1516 Pine st.                                |
| LEOPOLD NOA, <i>Professor of Modern Languages .....</i>                                                                           | 2739 Morgan st.                              |
| HENRY POMEROY, A.M., <i>Professor of Astronomy and Mathematics.....</i>                                                           | 1512 Walnut st.                              |
| GEORGE M. STEWART, A.M., <i>Professor of Mercantile Law and Contracts, and Dean of the Law Faculty .....</i>                      | 618 Olive st.                                |
| WM. EIMBECK, U.S.C.S., <i>Professor of Practical Astronomy.....</i>                                                               | 1143 S. 7th st.                              |
| WM. B. POTTER, A.M., E.M., <i>Allen Prof. of Mining and Metallurgy.....</i>                                                       | Wash. University.                            |
| RODERICK E. ROMBAUER, <i>Professor of the Law of Torts, Insurance, Domestic Relations and Evidence.....</i>                       | 1026 Hickory st.                             |
| JOHN W. NOBLE, A.M., <i>Professor of Pleadings and Practice.....</i>                                                              | 1301 Hickory st.                             |
| F. WM. RAEDER, S.B., <i>Professor of Architecture.....</i>                                                                        | 1719 Lafayette av.                           |

|                                                                                                     | RESIDENCE.          |
|-----------------------------------------------------------------------------------------------------|---------------------|
| DENHAM ARNOLD, A.M., <i>Assistant Professor of Physics, and Vice-Principal of the Academy</i> ..... | 2643 Washington av. |
| CHAS. A. SMITH, C.E., <i>Assistant Professor of Civil and Mechanical Engineering</i> .....          | 1018 N. 19th st.    |
| FRED. M. CRUNDEN, A.M., <i>Professor of Elocution</i> .....                                         | 1512 Walnut st.     |
| J. W. PATTISON, <i>Professor of Drawing</i> .....                                                   | 2841 Olive st.      |
| HIRAM L. PEET, <i>First Assistant in the Academy</i> .....                                          | 1917 Biddle st.     |
| JOHN H. JENKS, <i>Teacher of German</i> .....                                                       | 1212 N. Spring st.  |
| I. N. CUNDALL, A.M., <i>Teacher of Fourth Academic</i> .....                                        | 1919 Biddle st.     |
| THOMPSON L. BOND, <i>Teacher of Mathematics</i> .....                                               | 1017 N. 16th st.    |
| HORACE A. BROWN, L.L.B., <i>Teacher of Third Academic</i> .....                                     | 1917 Biddle st.     |
| CHAS. H. STONE, <i>Teacher of Fifth Academic</i> .....                                              | 1017 N. 16th st.    |
| HUGO HAANEL, <i>Teacher of English Branches and German</i> .....                                    | 1012 Wash st.       |
| WALDEMAR MALMENE, M.B., <i>Cantab. Teacher of Vocal Music</i> .....                                 | 1635 Washington av. |
| MRS. ANNA B. HILLMAN, <i>Teacher in Preparatory Department</i> .....                                | 1929 Randolph st.   |
| MISS INEZ E. BORDEN, <i>Teacher in Preparatory Department</i> .....                                 | 1016 N. 17th st.    |
| MISS AMANDA FORD, <i>Principal of Primary Department</i> .....                                      | 1016 N. 17th st.    |
| MISS LIZZIE W. LEIGH, <i>Assistant Teacher in Primary Department</i> .....                          |                     |

## MARY INSTITUTE.

RESIDENCE.

|                                                                                                                             |                     |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------|
| CALVIN S. PENNELL, A.M., <i>Principal</i> , 1600 Pine st.                                                                   |                     |
| MISS MARY S. WATKINS, <i>Instructor in</i><br><i>Latin and Natural Sciences</i> .....                                       | 1611 Washington av. |
| MISS HENRIETTA SAWYER, <i>Principal</i><br><i>of Preparatory Department</i> .....                                           | 2839 Olive st.      |
| MISS MARGARET T. WALLACE, <i>Principal</i><br><i>of Primary Department</i> .....                                            | 2926 Laclede av.    |
| MISS ANNA FLINTHAM, <i>Assistant in</i><br><i>Primary Department</i> .....                                                  | 2625 Lucas av.      |
| MISS FLORENCE K. HOLDEN, <i>Instructor in Penmanship</i> .....                                                              | 2915 Market st.     |
| MISS SARAH E. COLE, <i>Instructor in</i><br><i>Natural Sciences and Mathematics</i> ...                                     | 103 S. 15th st.     |
| MISS MARY E. MACK, <i>Teacher of Natural</i><br><i>Philosophy and other English</i><br><i>Branches</i> .....                | 2703 Lucas av.      |
| MRS. REBECCA M. DEAN, <i>Instructor in</i><br><i>History, Physical Geography and other</i><br><i>English Branches</i> ..... | 1600 Pine st.       |
| MISS ROSELLA C. JONES, <i>Teacher of</i><br><i>English Branches</i> .....                                                   | 1613 Washington av. |
| MISS MARY E. GLIDDEN, <i>Teacher of</i><br><i>Reading and Composition</i> .....                                             | 103 S. 15th st.     |
| MISS HATTIE E. OSGOOD, <i>Assistant</i><br><i>Teacher of History and French</i> .....                                       | 1003 Pine st.       |
| MRS. ELIZABETH P. PATTISON,<br><i>Teacher of History and other English</i><br><i>Branches</i> .....                         | 2841 Olive st.      |
| MADAME LOUISE GRANDJEAN, <i>Teacher</i><br><i>of French</i> .....                                                           | 2828 N. 14th st.    |
| MISS HENRIETTE MARIA NOA, <i>Teacher</i><br><i>of German and Gymnastics</i> .....                                           | 2739 Morgan st.     |
| MRS. KATE J. BRAINERD, <i>Teacher of</i><br><i>Vocal and Instrumental Music</i> .....                                       | 2502 Carr st.       |
| MISS SOPHIE DESLOGE, <i>Assistant</i><br><i>Teacher of Drawing</i> .....                                                    | Benton Place.       |

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares :

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this act, forthwith to institute an inquiry into

the charge or charges that may be preferred, in respect thereof, by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the said second section of this act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purpose to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific Department was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law Department was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first

supposed. To secure the best talent, competent salaries must be paid, and the best facilities of education, apparatus, library, buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those offered in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principles on which endowments are invited, the fifth, sixth and seventh articles of the Constitution are here inserted :

#### “ARTICLE V.

##### “ENDOWMENT OF PROFESSORSHIPS.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

#### “ARTICLE VI.

##### “ENDOWMENT OF DEPARTMENTS.

“Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of

Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

## "ARTICLE VII.

### "SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

## WESTERN SANITARY COMMISSION FREE SCHOLARSHIPS.

A Trust Fund of \$30,000 has been accepted by the University, from the above named Commission, for the establishment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic Department, to be filled by children or descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, or who fails to comply with the rules of the institution.

Several appointments have already been made.

## WESTERN SANITARY COMMISSION SUSTENTATION FUND.

From the same source a Sustentation Fund of \$10,000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

## THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

This timely munificence largely increases the sphere of usefulness of the University, and affords additional illustration of the interest felt by the wealthy business men of St. Louis in the cause of sound learning and true culture.

## THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thos. Allen offered the interest for five years at 7 per cent. of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the Department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver. The chair was filled in August, 1871, by the appointment of Prof. Wm. B. Potter, of the Columbia College School of Mines, who entered upon his duties in the following September.

## A NEW BUILDING

For the use of the Polytechnic Institute, or Scientific Department of the University, has been erected on Washington avenue, next to the College building, and is now in use. The combined buildings have a frontage of 207 feet by 46 feet deep, and are five stories high.

Every convenience for complete technological instruction is now given, the chemical and other laboratories having been thoroughly supplied, at a cost of not less than \$20,000.

The means for erecting this building were given by our own citizens, with the exception of \$15,000 contributed by our early and generous benefactor, Nathaniel Thayer, of Boston. His gifts have been so large and so timely, amounting in all to \$50,000, that, on several occasions, they have been the turning point of our progress and success.

We avail ourselves here of the opportunity renewedly to acknowledge the gift, six years ago, of \$25,000 from Mrs. Augustus Hemenway, of Boston, in memorial of her father, Thomas Tileston, a distinguished merchant of New York City. The gift was made without condition, but, in recognition of it, the TILSTON Professorship of Political Economy was established.

Notwithstanding the past liberality of the friends of the University and its remarkably rapid progress, the increasing expenses of advanced education are so great that our income is yet far below the demands of the time.

# ORGANIZATION.

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The UNIVERSITY consists of five distinct Departments :

- I. THE ACADEMY.
- II. MARY INSTITUTE.
- III. THE COLLEGE.
- IV. THE POLYTECHNIC DEPARTMENT.
- V. THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Each department has an organization of its own, and each is under the charge of a Principal, or a Faculty of Professors. Students entering the Polytechnic Department and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic Department without examination.

# I. THE ACADEMY.

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## FACULTY AND INSTRUCTORS.

---

WM. G. ELIOT, D.D.,  
CHANCELLOR.

GEORGE B. STONE, A.M.,  
PRINCIPAL.

DENHAM ARNOLD, A.M.,  
VICE-PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.  
CALVIN M. WOODWARD, A.M.  
GEORGE E. JACKSON, A.M.  
MARSHALL S. SNOW, A.M.  
HENRY POMEROY, A.M.  
FRED. M. CRUNDEN, A.M.  
HIRAM L. PEET.  
JOHN H. JENKS.  
ISAAC N. CUNDALL, A.M.  
THOMPSON L. BOND.  
HORACE A. BROWN, LL.B.  
CHAS. H. STONE.  
HUGO HAANEL.  
J. W. PATTISON.  
WALDEMAR MALMENE.  
MRS. ANNA B. HILLMAN.  
Miss INEZ E. BORDEN.  
Miss AMANDA FORD.  
Miss LIZZIE W. LEIGH.

# STUDENTS.

## ADVANCED CLASS.

| <i>Name.</i>                | <i>Residence.</i>     |
|-----------------------------|-----------------------|
| Aull, Robert, Jr.....       | 1520 Lucas Place.     |
| Berry, John Marshall.....   | Fairview, Mo.         |
| Eisenstadt, Samuel.....     | 3142 Locust st.       |
| Eisenstadt, Morris.....     | 3142 Locust st.       |
| Farrar, Wm. Christy.....    | 2733 Chesnut st.      |
| Gildehaus, Charles.....     | 1910 Gratiot st.      |
| Gore, Stephen A.....        | 1017 Olive st.        |
| Healy, Michael Francis..... | 204 Center st.        |
| Hight, George B.....        | 1112 N. Twenty-fifth. |
| Hough, Charles M.....       | Kirkwood, Mo.         |
| Total.....                  | 10.                   |

## FIRST CLASS.

| <i>Name.</i>                 | <i>Residence.</i>       |
|------------------------------|-------------------------|
| Burlingham, Charles C.....   | 1800 Olive st.          |
| Chauvenet, Wm. Marc.....     | 2703 Lucas av.          |
| Cunningham, Henry Davis..... | Park av. near Miss. av. |
| Eames, Wm. Sylvester.....    | 1224 Washington av.     |
| Eliot, Edward Cranch.....    | 2660 Washington av.     |
| Fry, Frank R.....            | 1216 Monroe st.         |
| Fry, Robert A.....           | 1216 Monroe st.         |
| Gore, Charles.....           | 1017 Olive st.          |
| Gregg, Norris Bradford.....  | 2639 Pine st.           |
| Hitchcock, Henry, Jr.....    | 1507 Lucas Place.       |
| Kesl, Wm. J.....             | 1904 S. Rosatti st.     |
| Lemen, Josephus.....         | Collinsville, Ill.      |
| McClellan, Henry Sharpe..... | 3428 Morgan st.         |
| Mortland, John K.....        | 1525 Chouteau av.       |
| Owen, George W.....          | Brotherton, Mo.         |

| <i>Name.</i>                 | <i>Residence.</i>     |
|------------------------------|-----------------------|
| Rudolph, Charles.....        | 705 N. Nineteenth st. |
| Samuel, William P.....       | 2335 Eugenia st.      |
| Sears, Hiram J.....          | Carondelet.           |
| Shapleigh, John Blasdel..... | 1229 Washington av.   |
| Smith, Andrew Harper.....    | Fulton, Mo.           |
| Taussig, Frank Wm.....       | 1526 Mississippi av.  |
| Wickham, Wm. Fanning.....    | 1712 Lucas Place.     |
| Total.....                   | 22.                   |

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### SECOND CLASS.

| <i>Name.</i>                  | <i>Residence.</i>        |
|-------------------------------|--------------------------|
| Barry, William T., Jr.....    | 2804 Lafayette av.       |
| Bartels, Gustave Charles..... | Denver, Col.             |
| Berchelman, Anthony.....      | Belleville, Ill.         |
| Carr, William Chiles.....     | 2735 Chestnut st.        |
| Child, Pearley Aug.....       | Hackensack, N. Y.        |
| Duke, James Clay.....         | 2327 Olive st.           |
| Farrar, Charles Thruston..... | 2733 Chestnut st.        |
| Harper, Andrew, Jr.....       | Florissant, Mo.          |
| Hay, John.....                | Belleville, Ill.         |
| Hinckley, Walter Raleigh..... | Belleville, Ill.         |
| Johnson, Warren S.....        | 1129 Locust st.          |
| Mauro, Philip.....            | 1301 St. Ange av.        |
| McKinley, Crittenden.....     | 2620 Olive st.           |
| McPherson, Page.....          | Wash. av., beyond Grand. |
| Mense, Charles W.....         | 3104 Morgan st.          |
| Montgomery, Robt. Alex.....   | 1316 Olive st.           |
| Montgomery, James W.....      | 1316 Olive st.           |
| Obear, Frank William.....     | Arkansas av.             |
| Porre, Carroll Fleming.....   | 1120 Olive st.           |
| Ritterskamp, Louis, Jr.....   | 2341 State st.           |
| Thomas, John R.....           | St. Louis Township.      |
| Thompson, George D.....       | 2333 Olive st.           |
| Total.....                    | 22.                      |

## THIRD CLASS.

| <i>Name.</i>                     | <i>Residence.</i>      |
|----------------------------------|------------------------|
| Ames, Henry.....                 | 1512 Lucas Place.      |
| Bargen, Rudolph Justus.....      | 1014 North Fifth st.   |
| Betts, George D.....             | 1318 Washington av.    |
| Blossom, Russell.....            | 2715 Washington av.    |
| Brandenburger, Peter.....        | West Belleville, Ill.  |
| Bryan, Francis Theodore, Jr..... | 1405 Pine st.          |
| Bryan, John Heritage.....        | 1405 Pine st.          |
| Burr, Wm. B.....                 | Kirkwood.              |
| Burr, Edward F.....              | Kirkwood.              |
| Carr, Nathaniel Paschall.....    | 2735 Chestnut st.      |
| Carter, James Sweringen.....     | St. Louis Township.    |
| Carter, John William.....        | St. Louis Township.    |
| Chadbourne, William Rule.....    | 2710 Dayton st.        |
| Clark, Robert Stuart.....        | 3006 Locust st.        |
| Creveling, Wm. Clement.....      | 1425 Lucas Place.      |
| Crookes, Arthur.....             | 1613 Salisbury st.     |
| Drosten, Fred. W.....            | 3330 Missouri av.      |
| Finlay, Andrew Mitchell.....     | Russell av.            |
| Finlay, Arthur Miller.....       | Russell av.            |
| Forster, Marquard, Jr.....       | 809 South Sixth st.    |
| Gambs, Ernest Fred.....          | 1224 2d Carondelet av. |
| Hanenkamp, Geo. Wm.....          | 911 Garrison av.       |
| Harrison, Nathaniel H.....       | Macon, Miss.           |
| Harvey, Chas. M.....             | Bunker Hill, Ill.      |
| Humphreys, Geo. Adams.....       | 2621 Pine av.          |
| Kaime, Edwin Francis.....        | Grand av.              |
| Keferstein, William Louis.....   | 1306 Grattan st.       |
| Liggett, Hiram Shaw.....         | 2921 Locust st.        |
| Lockwood, Archie R.....          | 2431 Chesnut st.       |
| McCreery, Wm. Hynes.....         | 922 Olive st.          |
| McNeil, Robert Paul.....         | 1806 Carr st.          |
| McNeil, Gordon Charles.....      | 1806 Carr st.          |
| Mellier, Amadee Augustus.....    | 2602 Pine st.          |
| Mellier, Walter.....             | 2602 Pine st.          |
| Mermod, Arthur Aug.....          | Kirkwood.              |
| Monell, Joseph.....              | 319 North Seventh* st. |

| <i>Name.</i>                    | <i>Residence.</i>        |
|---------------------------------|--------------------------|
| Obear, Bryan.....               | 2108 Lafayette av.       |
| Raab, Ernest P.....             | Belleville.              |
| Schnaider, Joseph M.....        | 2141 Chouteau av.        |
| Schoenthaler, Fred. G.....      | 1205 South Fifth st.     |
| Scollay, Harry.....             | 910 North Nineteenth st. |
| Senden, Charles George.....     | 1833 Carr st.            |
| Shapleigh, Richard Waldron..... | 1229 Washington av.      |
| Shepley, John Foster.....       | 1518 Washington av.      |
| Smithers, Mellville Libby.....  | 207 South Fifteenth st.  |
| Teasdale, John E.....           | 1223 St. Ange av.        |
| Thomas, Benj. F.....            | St. Louis Township.      |
| Thompson, H. Edward.....        | 1305 Chouteau av.        |
| Tilden, Charles.....            | 2909 Lucas av.           |
| Twillman, Wm. H.....            | St. Ferdinand Township.  |
| Von Schrader, Otto.....         | 1315 Garrison av.        |
| Waters, Frank Alexander.....    | 1603 Chesnut st.         |
| Wülfig, Max.....                | 1919 Gratiot st.         |
| Total.....                      | 53.                      |

## FOURTH CLASS.

| <i>Name.</i>               | <i>Residence.</i>  |
|----------------------------|--------------------|
| Aull, Wilson.....          | 1520 Lucas Place.  |
| Bain, Robert E. M.....     | 1410 Lasalle st.   |
| Bartlett, Andrew W.....    | 2312 Eugenia st.   |
| Bernd, Gustave.....        | Melville, La.      |
| Boerner, Franklin.....     | Belleville, Ill.   |
| Bratney, Theodore S.....   | Preston, Ill.      |
| Campbell, Hazlett K.....   | 1508 Lucas Place.  |
| Campbell, James A.....     | 1508 Lucas Place.  |
| Carson, James O.....       | 2821 Locust st.    |
| Filley, Christopher G..... | 1527 Lucas Place.  |
| Filley, Wm. Joseph.....    | 1527 Lucas Place.  |
| Filley, Augustus.....      | 1614 Olive st.     |
| Fishback, Louis.....       | Kirkwood, Mo.      |
| Hamill, Samuel.....        | 2800 Lafayette av. |
| Hazeltine, Wm. B., Jr..... | 2731 Pine st.      |
| Hirschberg, Louis.....     | 1308 Olive st.     |

| <i>Name.</i>                | <i>Residence.</i>        |
|-----------------------------|--------------------------|
| Jackson, Edward F.....      | Wash. av., beyond Grand. |
| Kalb, Theodore.....         | 902 Gratiot st.          |
| Mason, Charles B.....       | 1208 Chambers st.        |
| Muller, Ernest.....         | 910 Hickory st.          |
| Nowakowsky, Jeromir.....    | 1212 Spring st.          |
| Oeters, George Caspar.....  | 209 South Main st.       |
| Paul, Adolphe Lewis.....    | 837 Chouteau av.         |
| Peck, John A.....           | 3607 Vandeventer Place.  |
| Picot, Eugene J.....        | 3146 Locust st.          |
| Poeschel, Oscar P.....      | Hermann, Mo.             |
| Robinson, George F.....     | Rose Hill, Mo.           |
| Schleiffarth, Edgar L.....  | 1547 Chouteau av.        |
| Schramm, Wm. C., Jr.....    | 1225 South Sixth st.     |
| Scott, Wm. Poston.....      | 3018 Lucas av.           |
| Shepley, George F.....      | 1518 Washington av.      |
| Smith, Chambers W.....      | 2901 Washington av.      |
| Stinde, George C.....       | 3032 Lucas av.           |
| Switzer, Robt. J.....       | 1725 Washington av.      |
| Trorlicht, August.....      | 1829 Carr st.            |
| Turner, Henry J.....        | 1706 Lucas Place.        |
| Willis, Chas. Frederic..... | 1621 Washington av.      |
| Wilson, Charles.....        | 2420 North Ninth st.     |
| Total.....                  | 38.                      |

## FIFTH CLASS.

| <i>Name.</i>              | <i>Residence.</i>    |
|---------------------------|----------------------|
| Adkins, William H.....    | 1015 Park av.        |
| Baron, Julius.....        | 1216 South Fifth st. |
| Baker, Jno. L.....        | 1208 Washington av.  |
| Bell, Ernest P.....       | 3623 Olive st.       |
| Boardman, Chas. H.....    | 2611 Wash st.        |
| Bridge, Hudson Eliot..... | St. Louis Township.  |
| Bridge, Harrison P.....   | St. Louis Township.  |
| Carr, George A.....       | Wash st.             |
| Cartter, William S.....   | 3101 Pine st.        |
| Chamberlain, Eliot H..... | 1819 Washington av.  |
| Cobb, Addison M.....      | 1520 Pine st.        |

| <i>Name.</i>                  | <i>Residence.</i>         |
|-------------------------------|---------------------------|
| Conn, Joseph H., Jr.....      | 17 South Sixteenth.       |
| Ehrmann, Calder P.....        | 1302 Olive st.            |
| Fabian, Werner.....           | 1417 Park av.             |
| Frelich, Louis H., Jr.....    | 1436 North Francis.       |
| Gibson, Charles B.....        | 2922 Olive st.            |
| Gildehaus, Richard.....       | 1910 Gratiot st.          |
| Givens, Harry W.....          | 2909 Morgan st.           |
| Green, Thomas T.....          | 901 Pine st.              |
| Holloway, Frank W.....        | Manchester, Mo.           |
| Jackson, George R.....        | 1500 Pine st.             |
| Kaime, George James.....      | Grand av.                 |
| Kaime, Benj. E.....           | Grand av., near Morgan.   |
| Laffin, Sylvester H., Jr..... | 1218 Olive st.            |
| Leathe, Samuel.....           | 2700 Lucas av.            |
| Leigh, Herbert.....           | 3214 Sheridan av.         |
| Malin, John H.....            | Laclede Hotel.            |
| McHatton, Charles G.....      | 1602 Olive st.            |
| McLaran, Percy B.....         | 1628 Lucas Place. [avs.   |
| Nulsen, Max. August.....      | Cor. Lafayette & Missouri |
| Owen, John C.....             | Brotherton, Mo.           |
| Pallen, Condé Benoist.....    | 1525 Olive st. [and Park. |
| Parks, Everett R.....         | Summit av., bet. Chouteau |
| Perkins, Nathan W., Jr.....   | 1503 Chesnut.             |
| Poeschel, William F.....      | Hermann, Mo.              |
| Torlina, George Ed.....       | 1436 Morgan st.           |
| Westerman, William H.....     | 1926 Carr.                |
| White, Frederic.....          | 1023 N. Nineteenth.       |
| Whitney, Frederic C.....      | 1428 Olive st.            |
| Wiesemann, Oliver T.....      | 3531 Chesnut st.          |
| Wyman, Arthur.....            | Lindell av.               |
| Young, Graham.....            | Springfield, Mo.          |
| Total.....                    | 43.                       |

## PREPARATORY SCIENTIFIC—DIV. A.

| <i>Name.</i>                 | <i>Residence.</i>        |
|------------------------------|--------------------------|
| Aufderheide, Benj. F.....    | 922 N. Fourteenth.       |
| Baker, James B.....          | 1208 Washington av.      |
| Cole, Amadeé B.....          | 1810 Wash st.            |
| Defriez, Harry.....          | 1624 Pine st.            |
| Fabian, Ferd. J.....         | 1417 Park av.            |
| Farrar, Jno. Royal.....      | 1316 Washington av.      |
| Gibson, Archie.....          | Lafayette av.            |
| Hamill, Joseph Hackney.....  | Russell av.              |
| Hough, Henry C.....          | Kirkwood, Mo.            |
| Kellogg, Clinton D.....      | Caledonia, Minn.         |
| Overstolz, Ferd. George..... | 12 North Fourteenth.     |
| Papin, Louis.....            | Webster, Mo.             |
| Pegram, George H.....        | Chouteau av.             |
| Peper, Fred.....             | 1522 Morgan st.          |
| Quigley, Jno. B.....         | Carondelet.              |
| Smith, Edgar P.....          | Greenville, Ill.         |
| Turner, Henry.....           | Cor. Grand and Wash. av. |
| Wells, Rolla.....            | 2725 Olive st.           |
| Westerman, — .....           | Belleville, Ill.         |
| Zisemann, Ernest G.....      | 1511 Marion st.          |
| Total.....                   | 20.                      |

## PREPARATORY SCIENTIFIC—DIV. B.

| <i>Name.</i>                | <i>Residence.</i>       |
|-----------------------------|-------------------------|
| Adams, Charles Fremont..... | 1603 Washington av.     |
| Bronson, George Alvin.....  | 1412 Olive st.          |
| Chamberlain, William.....   | 1819 Washington av.     |
| Hermann, Edward.....        | Cherokee & Penn. av.    |
| Mauro, Lewis Johnson.....   | 1301 St. Ange av.       |
| Michel, William.....        | Dubuque, Iowa.          |
| Olshausen, Arthur, Jr.....  | 916 Hickory st.         |
| Peck, William W.....        | 3607 Vandeventer Place. |
| Platt, George H.....        | 1623 Carr st.           |
| Stebbins, Lovell W.....     | 3505 Chesnut st.        |
| Total.....                  | 10.                     |

## COMMERCIAL CLASS.

| <i>Name.</i>                 | <i>Residence.</i>   |
|------------------------------|---------------------|
| Ballentine, Wm. G.....       | 1603 Washington av. |
| Cole, Frank.....             | 815 Tayon av.       |
| Heermans, Wm. Ewing.....     | 1827 Washington av. |
| Hill, William Sargent.....   | St. Louis Township. |
| Holm, Chas. Henry.....       | 908 Amelia av.      |
| Jones, J. Frank.....         | Chester, Ill.       |
| Schaeffer, Louis John.....   | 2120 Morgan st.     |
| Pomeroy, William Dwight..... | 2712 Pine st.       |
| White, David, Jr.....        | N. Nineteenth st.   |
| Total.....                   | 9.                  |

## FIRST PREPARATORY CLASS.

| <i>Name.</i>                  | <i>Residence.</i>          |
|-------------------------------|----------------------------|
| Adams, Francis E.....         | 1527 Pine st.              |
| Branch, Joseph C.....         | 3803 Bellefontaine road.   |
| Bryan, Taylor.....            | 1405 Pine st.              |
| Cline, George W., Jr.....     | 840 South Eighth st.       |
| Christy, John K.....          | 3536 Morgan st.            |
| Gazzam, Joseph Parker.....    | 2810 Pine st.              |
| Gildehaus, Henry William..... | 1910 Gratiot st.           |
| Gregg, William H., Jr.....    | 2639 Pine st.              |
| Harding, Roger.....           | 1426 Olive st.             |
| Heermans, Henry P.....        | 1827 Washington av.        |
| Higgins, Irwin W.....         | 2704 Locust st.            |
| Hunicke, August.....          | 922 Winter st.             |
| Kinear, Hamilton E.....       | 3104 Locust st.            |
| McKittrick, Adam McM.....     | 1628 Pine st.              |
| Obear, Thomas S.....          | Grand av., near Lafayette. |
| Orr, William A.....           | Lafayette av.              |
| Procter, Howard C.....        | 3429 Franklin av.          |
| Scudder, William, Jr.....     | St. Louis Township.        |
| Shapleigh, Alfred Lee.....    | 1229 Washington av.        |
| Starkweather, Oakley B.....   | Lafayette av.              |
| Whitelaw, Charles W.....      | Southern Hotel.            |
| Willis, Charles L.....        | 413 North Eighth st.       |
| Total.....                    | 22.                        |

## SECOND PREPARATORY CLASS.

*Name.**Residence.*

|                              |                             |
|------------------------------|-----------------------------|
| Baker, Jesse G.....          | 1208 Washington av.         |
| Block, William N.....        | 2702 Locust st.             |
| Bouyon, Edward P. C.....     | 200 North Fifth st.         |
| Cavender, James S.....       | Benton Place.               |
| Colman, Frank P.....         | St. Louis Township.         |
| Conn, Lewis L.....           | 17 South Sixteenth st.      |
| Dean, Charles C.....         | 3250 Olive st.              |
| Fishback, George W., Jr..... | Kirkwood.                   |
| Mack, George A.....          | 921 North Twenty-fourth st. |
| McLaran, Robert L.....       | 1628 Lucas Place.           |
| Morse, Oliver.....           | 1102 Chambers st.           |
| Renick, Guy G.....           | 924 Chouteau av.            |
| Samuel, Edward M.....        | 2341 Chestnut st.           |
| Simon, Charles Fitzhugh..... | 2810 Locust st.             |
| Simpson, Harry.....          | 3430 Franklin av.           |
| Simpson, Marion.....         | 2955 Thomas st.             |
| Stanard, William K....       | 1417 Chouteau av.           |
| Stueck, Fred. William.....   | St. Louis Township.         |
| Talmage, Harry A.....        | 1226 Clark av.              |
| Talmage, Charles H.....      | 1226 Clark av.              |
| Taylor, George R., Jr.....   | 1804 Lucas Place.           |
| Tower, George.....           | Grand av.                   |
| Total .....                  | 22.                         |

## PRIMARY CLASS.

*Name.**Residence.*

|                            |                         |
|----------------------------|-------------------------|
| Ames, Henry S.....         | 1615 Lucas Place.       |
| Anderson, Charles T.....   | 2309 Chestnut st.       |
| Anderson, James W.....     | 104 South Fifteenth st. |
| Baker, Charles K., Jr..... | 1833 Wash st.           |
| Bain, George G.....        | 1410 Lasalle st.        |
| Bartholow, Russell N.....  | 3144 Locust st.         |
| Bouyon, Albert L.....      | 200 North Fifth st.     |
| Buckland, Thomas.....      | 1505 Chestnut st.       |
| Butler, Robert F.....      | Beauport, Mo.           |

| <i>Name.</i>              | <i>Residence.</i>         |
|---------------------------|---------------------------|
| Capen, Samuel D.....      | 1520 Olive st.            |
| Cavender, Edward R.....   | Benton Place.             |
| Cundall, Walter A.....    | 1919 Biddle st.           |
| Dearborn, Samuel S.....   | 916 Park Place.           |
| De Noue, Guillaume.....   | 1500 Lucas Place.         |
| De Noue, Achille.....     | 1500 Lucas Place.         |
| Dent, William B.....      | 711 North Seventeenth st. |
| Eaton, George P.....      | 1621 Olive st.            |
| Eaton, Frank G.....       | 1621 Olive st.            |
| Filley, Victor G.....     | 1527 Lucas Place.         |
| Fishback, Robert M.....   | 2623 Pine st.             |
| Fitch, Dabney Carr.....   | 2339 Chestnut st.         |
| Grindon, Arthur.....      | 2024 Christy av.          |
| Harding, George E.....    | 1426 Olive st.            |
| Hodges, Abel B. W.....    | 2115 Walnut st.           |
| January, Derrick A.....   | 1137 Washington av.       |
| Johnson, William.....     | 921 Pine st.              |
| Kaime, William W.....     | Grand av.                 |
| Knight, Newell Clark..... | 2628 Pine st.             |
| Knight, Harry F.....      | 2628 Pine st.             |
| Lewis, Augustus G.....    | 3051 Cass av.             |
| Maldene, Waldemar.....    | 1635 Washington av.       |
| McKittrick, George H..... | 1628 Pine st.             |
| McKittrick, Thomas.....   | 1119 Washington av.       |
| McNeil, William E.....    | 1806 Carr st.             |
| Noyes, William Hall.....  | 1711 Washington av.       |
| Pegram, Frank.....        | Chouteau av.              |
| Richards, Eben, 3d.....   | 1803 Washington av.       |
| Ridgely, Samuel W.....    | 1351 Washington av.       |
| Roos, William, Jr.....    | 1327 Chouteau av.         |
| Rose, Henry.....          | 2937 Hickory st.          |
| Rose, Louis.....          | 2937 Hickory st.          |
| Russell, Daniel R.....    | 1906 Wash st.             |
| Sheckley, Harry.....      | 2607 Wash st.             |
| Smith, Irwin Z., Jr.....  | 2702 Olive st.            |
| Stone, Cola E.....        | 1017 North Sixteenth st.  |
| Storer, Frank D.....      | 3015 Locust st.           |

| <i>Name.</i>                   | <i>Residence.</i> |
|--------------------------------|-------------------|
| Taylor, Walter R.....          | 1804 Lucas Place. |
| Turner, Wilson P. H.....       | 1706 Lucas Place. |
| Van Studdiford, Charles D..... | 1623 Olive st.    |
| Von Schrader, Touton G.....    | 1315 Garrison av. |
| Walker, Benjamin.....          | 1629 Chestnut st. |
| Whitelaw, George G.....        | Southern Hotel.   |
| Wiesemann, Arthur A.....       | 3531 Chestnut st. |
| Wyman, Edward.....             | 3539 Lindell av.  |
| Total .....                    | 54.               |

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### ADMISSION.

Pupils are admitted to the Fourth Academic class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic Department of the University.

# ACADEMIC COURSE OF STUDY.

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## FOURTH CLASS.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*Geography.*—Warren's Common School.

*History.*—Anderson's.

*English Grammar.*—Green's Introductory.

*Latin.*—Harkness's Introductory Latin Book.

*Reading, Writing and Spelling; Composition.*

## THIRD CLASS.

### FIRST TERM.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*Latin.*—Harkness's Introductory Latin Book.

*English Grammar.*—Parsing and Analysis.

*Reading, Writing and Spelling; Composition and Declamation.*

### SECOND TERM.

*Mathematics.*—Walton's Higher Arithmetic.

*Grammar.*—Parsing and Analysis.

*Latin.*—Harkness's Latin Reader.

*Reading, Writing and Spelling; Composition and Declamation.*

## SECOND CLASS.

### FIRST TERM.

*Geography.*—Warren's Physical Geography.

*Latin.*—Hanson's Latin Prose.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Walton's Higher Arithmetic.

*Latin.*—Hanson's Latin Prose.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## FIRST CLASS.

## FIRST CLASS.

*Physiology.*—Hitchcock's.

*Latin.*—Hanson's Latin Prose.

*Greek.*—Harkness's First Greek Book; Felton's Greek Reader.

*History.*—White's Landmarks of English History.

*German.*—Otto's German Grammar.

*Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Greenleaf's Algebra.

*Latin.*—Æneid of Virgil.

*Greek.*—Felton's Greek Reader.

*History.*—White's Landmarks of English History.

*German.*—Evans's Otto's Reader.

*Composition and Declamation.*

## ADVANCED CLASS.

## FIRST TERM.

*Latin.*—Æneid and Bucolics of Virgil.

*Greek.*—Felton's Greek Reader; Greek Composition.

*Mathematics.*—Greenleaf's Algebra.

*German.*—Marie Stuart.

*Composition and Declamation.*

## SECOND TERM.

*Latin*.—Cicero's Orations; Latin Prose Composition.

*Greek*.—Anabasis; Greek Prose Composition.

*Mathematics*.—Chauvenet's Geometry, three books.

*German*.—William Tell.

*Ancient History*.

*Composition and Declamation*.

## PREPARATORY SCIENTIFIC CLASS.

## FIRST TERM.

*Algebra*.—Greenleaf's Elementary.

*Physiology*.—Hitchcock's.

*German*.—Otto's Grammar and Reader; Evans's Otto's.

*History*.—Anderson's.

*Composition and Declamation*.

*Drawing*.

## SECOND TERM.

*Algebra*.—Greenleaf's Elementary, through Quadratics.

*Geometry*.—Chauvenet's, three books.

*Philosophy*.—Wells'.

*History*.—White's Landmarks.

*German*.—William Tell.

*Drawing*.

*Composition and Declamation*.

## COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of this Department.

## EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

## MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                   |         |
|---------------------------------------------------|---------|
| Primary Class, per term of 20 weeks.....          | \$25 00 |
| Preparatory " " " .....                           | 30 00   |
| Fourth " " " .....                                | 35 00   |
| Third " " " .....                                 | 37 50   |
| Second " " " .....                                | 40 00   |
| First " " " .....                                 | 42      |
| Advanced " " " .....                              | 45 00   |
| Commercial " " " .....                            | 50 00   |
| Preparatory Scientific, per term of 20 weeks..... | 50 00   |

These rates are for the current year only.

*No extra charge of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.*

## II. MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic Department of the University.

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### BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,  
HUDSON E. BRIDGE,  
JOHN R. SHEPLEY,

HENRY HITCHCOCK,  
GEORGE PARTRIDGE,  
CARLOS S. GREELEY.

## FACULTY.

---

WM. G. ELIOT, D.D., *Chancellor.*

CALVIN S. PENNELL, A.M., *Principal.*

Miss MARY S. WATKINS.

Miss HENRIETTA SAWYER.

Miss MARGARET T. WALLACE.

Miss FLORENCE K. HOLDEN.

Miss SARAH E. COLE.

Miss MARY E. MACK.

Mrs. REBECCA M. DEAN.

Miss ROSELLA C. JONES.

Miss MARY E. GLIDDEN.

Miss HATTIE E. OSGOOD.

Mrs. ELIZABETH P. PATTISON.

Miss ANNA FLINTHAM.

MADAME LOUISE GRANDJEAN.

Miss HENRIETTE MARIA NOA.

Mrs. KATE JONES BRAINERD.

Miss SOPHIE DESLOGE.

Prof. J. W. PATTISON.

## ACADEMIC DEPARTMENT.

## SENIOR ADVANCED CLASS.

| <i>Name.</i>          | <i>Residence.</i>   |
|-----------------------|---------------------|
| Brooks, Lillie .....  | 1216 Pine st.       |
| Pennell, Maria F..... | 1600 Pine st.       |
| Porter, Lizzie S..... | 1133 Washington av. |
| Runyan, Nannie A..... | 2725 Chesnut st.    |
| Tilden, Carrie A..... | 2909 Lucas av.      |
| Total.....            | 5.                  |

## JUNIOR ADVANCED CLASS.

| <i>Name.</i>            | <i>Residence.</i>   |
|-------------------------|---------------------|
| Desloge, Clara.....     | Benton Place.       |
| Filley, Jeannie.....    | 2201 Lucas Place.   |
| Lewis, Julia.....       | 3014 Morgan st.     |
| Litton, Alice W.....    | 2220 Eugenia st.    |
| Mead, Mary S.....       | 1725 Washington av. |
| Plant, Catherine E..... | 3008 Lucas av.      |
| Rychlicki, Mary J.....  | King's Highway.     |
| Total.....              | 7.                  |

## FIRST ACADEMIC CLASS.

| <i>Name.</i>            | <i>Residence.</i>    |
|-------------------------|----------------------|
| Anderson, Jennie.....   | 3729 North Ninth st. |
| Bonner, Ida F.....      | 2726 Lucas av.       |
| Chapman, Mary S.....    | 1633 Washington av.  |
| Haseltine, Nellie ..... | 2731 Pine st.        |
| Johnson, Emilie D.....  | 921 Pine st.         |
| Thamer, Eugenia F.....  | 1709 Salisbury st.   |
| Thamer, Frances D.....  | 1709 Salisbury st.   |
| Woodburn, Ida M.....    | 3024 Belle st.       |
| Wyman, Florence .....   | Lindell av.          |
| Total.....              | 9.                   |

## SECOND ACADEMIC CLASS.

| <i>Name.</i>             | <i>Residence.</i>                        |
|--------------------------|------------------------------------------|
| Allen, Annie L.....      | 1414 Lucas Place.                        |
| Ballenger, Emma S.....   | 2706 Dayton st.                          |
| Breed, Hermione.....     | 2720 Washington av.                      |
| Bridge, Mary.....        | Glendale.                                |
| Broadhead, Minnie W..... | Lafayette av.                            |
| Carson, Nannie G.....    | 2821 Locust st.                          |
| Clark, Anna M.....       | 2653 Washington av.                      |
| Clark, Ellen C.....      | Fort Scott, Kas.                         |
| Davis, Mary E.....       | 2219 Olive st.                           |
| Dunnica, Sadie.....      | 1307 Pine st.                            |
| Hayward, Florence M..... | 1220 Pine st. [av.                       |
| Horton, Carrie B.....    | Lindell, above Grand                     |
| Kellogg, E. Louise.....  | 1233 Washington av.                      |
| Luke, Fannie W.....      | 2012 Olive st.                           |
| Maurice, Fannie M....    | Park av., bet. Missouri & Armstrong avs. |
| McCreery, Mary J.....    | 922 Olive st.                            |
| McLaran, Fannie.....     | 1628 Lucas Place.                        |
| More, May.....           | 917 Glasgow av.                          |
| Scollay, Josephine.....  | 910 N. Nineteenth st.                    |
| Shepley, Julia.....      | 1518 Washington av.                      |
| Simon, Lizzie H.....     | 2810 Locust st.                          |
| Switzer, Mary A.....     | 1725 Washington av.                      |
| Wilson, Rachel P.....    | 2136 Clark av.                           |
| Total.....               | 23.                                      |

## THIRD ACADEMIC CLASS.

| <i>Name.</i>            | <i>Residence.</i>                     |
|-------------------------|---------------------------------------|
| Ashbrook, Katie R.....  | 3004 Cass av.                         |
| Baker, Mary I.....      | 2902 Pine st.                         |
| Chouteau, Bertha G..... | 1118 Olive st.                        |
| Crane, Nettie F.....    | 3114 Morgan st.                       |
| Edgar, Ida L.....       | 1217 Pine st.                         |
| Ewing Florence M.....   | 3252 Olive st.                        |
| Hickman, Mary M.....    | 1213 Chouteau av.                     |
| Holman, Mary E.....     | Page av. bet. Spring and Prairie avs. |
| Kennett, Violet M.....  | 1504 Washington av.                   |

| <i>Name.</i>                | <i>Residence.</i>   |
|-----------------------------|---------------------|
| Kidd, Elizabeth R.....      | 1630 Pine st.       |
| Kribben, Edith W.....       | 923 Amelia av.      |
| Lionberger, Maggie C.....   | 1601 Olive st.      |
| Lippman, Fannie.....        | 1209 Dillon st.     |
| Pegram, Minnie S.....       | 1108 Chouteau av.   |
| Pulsifer, Nellie E.....     | Kennett Place.      |
| Ranlett, Margaret H.....    | 2670 Washington av. |
| Schleiffarth, Amanda.....   | 1547 Chouteau av.   |
| Shackelford, Genevieve..... | 1506 Washington av. |
| Triplett, Mary W.....       | 1631 Chesnut st.    |
| Turner, Nannie T.....       | 1706 Lucas Place.   |
| Vallé, Jessie A.....        | 2710 Washington av. |
| Wallace, Cora B.....        | 2920 Locust st.     |
| Warren, Mary C.....         | 3213 Locust st.     |
| Whitely, Annie A.....       | 1505 Spruce st.     |
| Total .....                 | 24.                 |

## FOURTH ACADEMIC CLASS.

| <i>Name.</i>                | <i>Residence.</i>   |
|-----------------------------|---------------------|
| Barclay, Mary Ettie.....    | 1201 Dillon st.     |
| Blaine, Sallie C.....       | 2641 Olive st.      |
| Block, Lucretia M.....      | 1600 Pine st.       |
| Brooks, Josie C.....        | 1216 Pine st.       |
| Carrington, Florence B..... | 3609 N. Ninth st.   |
| Carter, Libbie A.....       | 2630 Clark av.      |
| Chrystie, Lucie.....        | 1526 Olive st.      |
| Colton, May.....            | 2348 Chesnut st.    |
| Derby, Mary T.....          | 1110 Pine st.       |
| Farrar, Agnes K.....        | 1316 Washington av. |
| Felton, Emma A.....         | 409 N. Eleventh st. |
| Fishback, Carrie.....       | 2623 Pine st.       |
| George, Ida May.....        | 1909 Carr Place.    |
| Glasgow, Sarah L.....       | 3016 Glasgow Place. |
| Jennings, Clara G.....      | 1513 Chesnut st.    |
| Jewett, Mary.....           | 2918 Morgan st.     |
| Johnson, E. Estelle.....    | 1120 Locust st.     |
| Keys, Nannie R.....         | 2614 Olive st.      |

*Name.**Residence.*

|                             |                                  |
|-----------------------------|----------------------------------|
| Liggett, Dollie L.....      | 2921 Locust st.                  |
| Lippman, Daisie.....        | 1209 Dillon st.                  |
| Lowry, May E.....           | 1703 Washington av               |
| Pettes, Nellie G.....       | 2812 Locust st.                  |
| Pollock, Nora.....          | 1103 Valle av.                   |
| Powell, Lennie.....         | 1021 N. Nineteenth st.           |
| Schuyler, Nellie.....       | 2820 Locust st.                  |
| Sellar, Marie E A.....      | 1326 Olive st.                   |
| Sparr, Amy B.....           | 1811 Wash st.                    |
| Stillwell, Sallie H.....    | 2117 Pine st.                    |
| Taylor, Ida R.....          | 1804 Lucas Place.                |
| Thornburgh, Sallie L.....   | Corner Washington and Grand avs. |
| Turner, Lattie R.....       | 1706 Lucas Place.                |
| Van Studdiford, Maggie..... | 1623 Olive st.                   |
| Total.....                  | 32.                              |

## FIFTH ACADEMIC CLASS.

*Name.**Residence.*

|                          |                                       |
|--------------------------|---------------------------------------|
| Alleyne, Arabella D..... | 1903 Carr st.                         |
| Bain, C. Louise.....     | 1410 Lasalle st.                      |
| Bent, Mary L.....        | 2020 Olive st.                        |
| Chase, Ida W.....        | Grand av.                             |
| Claiborne, Nattie C..... | 1314 Clark av.                        |
| Clark, Lizzie P.....     | 1530 Washington av.                   |
| Colby, Mabel C.....      | 2230 Clark av.                        |
| Colcord, Fannie C.....   | 2800 Morgan st.                       |
| Cundall, Fanny.....      | 1919 Biddle st.                       |
| Dodd, Mary L.....        | 1705 Washington av.                   |
| Downs, Julia S.....      | 206 S. Sixteenth st.                  |
| Downs, Lizzie T.....     | 206 S. Sixteenth st.                  |
| Fagin, Lillie K.....     | 4003 Fagin Place, Bellefontaine road. |
| Fell, Ida B.....         | 2907 Laclede av.                      |
| Fogg, Mary L.....        | 113 S. Sixteenth st.                  |
| Gage, Fannie S.....      | 2724 Washington av.                   |
| Gardner, S. Dellie.....  | 3007 Locust st.                       |
| Glover, Mildred B.....   | 2904 Gamble st.                       |
| Hargadine, Julia.....    | 1416 Washington av.                   |

| <i>Name.</i>                | <i>Residence.</i>                         |
|-----------------------------|-------------------------------------------|
| Jackson, Annie M.....       | 1500 Pine st.                             |
| Libby, Cora .....           | 2628 Washington av.                       |
| Lionberger, Mary A.,.....   | 1601 Olive st.                            |
| Metcalfe, Grace.....        | 3726 Bellefontaine rd.                    |
| Miltnerberger, Katie B..... | 1207 Chouteau av.                         |
| Noxon, Libbie.....          | Rutger st., bet. Miss. and Armstrong avs. |
| Peck, Belle .....           | 3607 Grand av.                            |
| Richards, Grace.....        | 1803 Washington av.                       |
| Runyan, Mary D.....         | 2725 Chesnut st.                          |
| Stanard, Cora V.....        | 1417 Chouteau av.                         |
| Talmage, Nellie E.....      | 1226 Clark av.                            |
| Total.....                  | 30.                                       |

## PREPARATORY DEPARTMENT.

### FIRST PREPARATORY CLASS.

| <i>Name.</i>             | <i>Residence.</i>                 |
|--------------------------|-----------------------------------|
| Behr, Rosalie.....       | 2217 Lafayette av.                |
| Cooper, Grace Susan..... | 1117 Chestnut st.                 |
| Churchill, Mabel.....    | 2129 Eugenia st.                  |
| Day, Anna C.....         | 2737 Locust st.                   |
| Dedman, M. Allien.....   | Webster.                          |
| Dryden, Mary C.....      | Cor. California av. and Miami st. |
| Enders, Maggie E.....    | 1129 St. Ange av.                 |
| Finch, Julia B.....      | 2405 N. Twelfth st.               |
| Fredrick, Mary E.....    | 614 Chouteau av.                  |
| Fry, Carrie B.....       | 1216 Monroe st.                   |
| Gregg, Clara J.....      | 2639 Pine st.                     |
| Harrison, Brianna L..... | 2821 Morgan st.                   |
| Hemple, Annie C.....     | 2703 Lucas av.                    |
| Hotchkiss, Mary M.....   | Florissant av.                    |
| Lackland, Daisy.....     | 1623 Lucas Place.                 |
| Lightner, Mary E.....    | 1637 Washington av.               |
| Lowe, Edwina D.....      | 923 Locust st.                    |
| Magwire, Clara A.....    | 3814 Bellef. road.                |

| <i>Name.</i>                 | <i>Residence.</i>                     |
|------------------------------|---------------------------------------|
| Malmene, Gertrude E.....     | 1635 Washington av.                   |
| McLaran, Ellen F.....        | 1628 Lucas Place.                     |
| Moulton, Mellona J.....      | 2614 N. Ninth st.                     |
| Peckham, Minnie L.....       | 2913 Easton av.                       |
| Powell, Edith.....           | 1021 N. Nineteenth st.                |
| Quinette, Lizzie Louisa..... | Papin av., Cote Brilliante.           |
| Reed, Addie P.....           | 1703 Olive st.                        |
| Scott, Lulu Q.....           | 3018 Lucas av.                        |
| Simon, May R.....            | 2810 Locust st.                       |
| Stillwell, Marie B.....      | 1700 Chesnut st.                      |
| Thornburgh, Jennie R.....    | Cor. Wash. & Grand avs.               |
| Tower, Nellie P.....         | Grand av., bet. Lafayette & Park avs. |
| Vallé, Julia.....            | 1516 Lucas Place.                     |
| Wall, Lulu B.....            | 2809 Morgan st.                       |
| Wickham, Fanny G.....        | 1712 Lucas Place.                     |
| Total.....                   | 33.                                   |

## SECOND PREPARATORY CLASS.

| <i>Name.</i>                | <i>Residence.</i>   |
|-----------------------------|---------------------|
| Barclay, Nellie L.....      | 1201 Dillon st.     |
| Barrett, Martha M.....      | 2930 Locust st.     |
| Bent, Lucy.....             | 2020 Olive st.      |
| Block, Juliet L.....        | 2702 Locust st.     |
| Blow, Eliza A. W.....       | 2927 Pine st.       |
| Chauvin, Lucille M.....     | 1308 Olive st.      |
| Colman, Laura K.....        | Olive st. road.     |
| Eisenstadt, Jennie.....     | 3142 Locust st.     |
| Fishback, Nannie.....       | 2623 Pine st.       |
| Hayward, Fanita.....        | 1220 Pine st.       |
| January, Laura H.....       | 1302 Wash av.       |
| Johnson, Nancy L.....       | 921 Pine st.        |
| Keiler, Elizabeth E.....    | 1131 Washington av. |
| Logan, Mamie E.....         | 1322 Olive st.      |
| McPheeters, Sallie G.....   | 1000 Olive st.      |
| O'Fallon, Ruth C.....       | 2208 Locust st.     |
| Reed, Lizzie Leslie.....    | 1309 Washington av. |
| Schrader, Julia M. von..... | 1315 Garrison av.   |

| <i>Name.</i>          | <i>Residence.</i>   |
|-----------------------|---------------------|
| Sparr, Fannie J.....  | 1811 Wash st.       |
| Speck, Ella I. F..... | 1206 Morrison av.   |
| Switzer, Eugenia..... | 1725 Washington av. |
| Vallé, Ida.....       | 1516 Lucas Place.   |
| Whitman, Hattie.....  | 934 Hickory st.     |
| Total.....            | 23.                 |

## THIRD PREPARATORY CLASS.

| <i>Name.</i>               | <i>Residence.</i>                      |
|----------------------------|----------------------------------------|
| Arendt, Fannie C.....      | 1131 N. Twentieth st.                  |
| Bartlett, Abbie T.....     | 2312 Eugenia st.                       |
| Campbell, Cora E.....      | Southern Hotel.                        |
| Cooper, May G.....         | 1117 Chesnut st.                       |
| Filley, Anna K.....        | 1614 Olive st.                         |
| Hargadine, Mary McC.....   | 1416 Washington av.                    |
| Harris, Soudie.....        | 1527 Olive st.                         |
| Howard, Katie.....         | 2700 Locust st.                        |
| Jenkins, Alberta.....      | 2640 Olive st.                         |
| Jouett, Mary L.....        | 1424 Olive st.                         |
| Kimbrough, Katie E.....    | 2730 Morgan st.                        |
| Lewis, Sallie.....         | 3014 Morgan st.                        |
| Liggett, Cora B.....       | 2921 Locust st.                        |
| McPherson, Sophie E.....   | Washington av. w. of Vandeventer.      |
| Parks, Alma J.....         | Summit av. bet. Chouteau and Park avs. |
| Peper, Maggie P.....       | 1522 Morgan st.                        |
| Shepley, Mary L.....       | 1518 Washington av.                    |
| Shultz, Mary J.....        | 213 S. Sixteenth st.                   |
| Smith, Lillie K.....       | Carondelet.                            |
| Wainwright, Katie A.,..... | 1121 Morrison av.                      |
| Woodburn, Ella M.....      | 3024 Belle st.                         |
| Total.....                 | 21.                                    |

## FOURTH PREPARATORY CLASS.

*Name.**Residence.*

|                             |                                       |
|-----------------------------|---------------------------------------|
| Ames, Ada Semple.....       | 1615 Lucas Place.                     |
| Beach, Alice E.....         | 1322 Olive street.                    |
| Berry, Jennette M.....      | 1405 Olive st.                        |
| Blossom, May.....           | 2715 Washington av.                   |
| Boyce, Helen .....          | 1326 Chouteau av.                     |
| Eliot, Rose .....           | 2660 Washington av.                   |
| Field, Lillie C .....       | 1011 Munroe st.                       |
| Gage, Lizzie.....           | 2724 Washington av.                   |
| Gibson, Elizabeth R.....    | Cor. McNair and Lafayette avs.        |
| Green, Julia M.....         | 19 S. Fifteenth st.                   |
| Gumersell, Ida B.....       | 1215 Grattan st.                      |
| Hewitt, Mary F.....         | 1118 Olive st.                        |
| Holman, Lucy E.....         | Page av. bet. Spring and Prairie avs. |
| Holmes, Laura.....          | 1914 Wash st.                         |
| Hunter, Ellen D.....        | 2929 Pine st.                         |
| January, Julia C.....       | 1137 Washington av.                   |
| Lauderman, Georgiana C..... | Southern Hotel.                       |
| Le Bourgeois, Adele.....    | 2927 Pine st.                         |
| Logan, Lida F.....          | 1322 Olive st.                        |
| Maurice, Mary A .....       | Park av. bet. Mo. and Armstrong avs.  |
| O'Fallon, Rebecca R.....    | 2208 Locust st.                       |
| Plant, Carrie A .....       | 3008 Lucas av.                        |
| Richards, Carrie L .....    | 1803 Washington av.                   |
| Scott, Carrie C.....        | 3018 Lucas av.                        |
| Taylor, Theresa M .....     | 1804 Lucas Place.                     |
| Triplett, Louisa Stone..... | 1631 Chesnut st.                      |
| Turner, Marie Delphine..... | 1706 Lucas Place.                     |
| Walker, Alby M.....         | 2920 Pine st.                         |
| Whitney, Mary E .....       | 1428 Olive st.                        |
| Willis, Lillian S.....      | 1621 Washington av.                   |
| Total .....                 | 30.                                   |

## PRIMARY DEPARTMENT.

| <i>Name.</i>                | <i>Residence.</i>                  |
|-----------------------------|------------------------------------|
| Allen, Alice Maud.....      | 1414 Lucas Place.                  |
| Ames, Mary Semple.....      | 1615 Lucas Place.                  |
| Benton, Katie S.....        | 1604 Lucas Place.                  |
| Betts, Carrie.....          | 1318 Washington av.                |
| Boyd, Lulu C.....           | 2129 Eugenia st.                   |
| Bridge, Amy.....            | Glendale.                          |
| Broadhead, Nannie D.....    | Lafayette av.                      |
| Buckland, Sarah M.....      | 1505 Chesnut st.                   |
| Capen, Fannie J.....        | 1520 Olive st.                     |
| Carter, Emma N.....         | 2208 Locust st.                    |
| Chamberlain, Harriet M..... | 1819 Washington av.                |
| Clark, Virginia Lee.....    | 1530 Washington av.                |
| Clement, Elizabeth S.....   | 3435 Olive st.                     |
| Cooper, Laura B.....        | 1117 Chesnut st.                   |
| Copelin, Emma R.....        | Compton Hill.                      |
| Corbit, Sallie M.....       | 1812 Wash st.                      |
| Curtis, Helen May.....      | 1605 Washington av.                |
| Dearborn, Elizabeth K.....  | Park Place.                        |
| Fell, Edith C.....          | 2907 Laclede av.                   |
| Gumersell, Louisa B.....    | 1215 Grattan st.                   |
| Harrison, Medora S.....     | 2821 Morgan st.                    |
| Hellmers, Florence B.....   | 1520 Morgan st.                    |
| January, Mary B.....        | 1137 Washington av.                |
| Jerman, J. Grace.....       | 501 N. Thirteenth st.              |
| Johnson, Lizzie.....        | 921 Pine st.                       |
| Kaime, Frances B.....       | Grand av., bet. Bell & Finney avs. |
| Kaime, Mary L.....          | Cor. Grand av. & Morgan st.        |
| Kehlor, Carrie E.....       | Southern Hotel.                    |
| Kennett, Lucy S.....        | 1504 Washington av.                |
| Knapp, Eleanor J.....       | 818 Gratiot st.                    |
| Liggett, Ella D.....        | 2921 Locust st.                    |
| Lowry, Levinia.....         | 1703 Washington av.                |
| Magruder, Mary.....         | 3017 Glasgow Place.                |

| <i>Name.</i>               | <i>Residence.</i>      |
|----------------------------|------------------------|
| Magruder, Susan L.....     | 3017 Glasgow Place.    |
| McKittrick, Jane E.....    | 1628 Pine st. .        |
| McLaran, Mary A.....       | 1628 Lucas Place.      |
| McPheeters, Fannie W.....  | 1000 Olive st.         |
| Moore, Cleon D.....        | 1401 Morgan st.        |
| O'Fallon, Harriet L.....   | 2208 Locust st.        |
| Owen, Addie C.....         | 2647 Washington av.    |
| Powell, Emma W....         | 1021 N. Nineteenth st. |
| Reber, Maud.....           | 912 Garrison av.       |
| Rogers, Mary A.....        | 1220 Olive st.         |
| Runyan, Ida T.....         | 2725 Chesnut st.       |
| Russell, Fannie B.....     | 123 S. Fourteenth st.  |
| Shackelford, Carrie D..... | 1309 Washington av.    |
| Smucker, Belle C.....      | 1318 Washington av.    |
| Stotlemeyer, Minnie.....   | 1912 Wash st.          |
| Taylor, Agnes R.....       | 1804 Lucas Place.      |
| Taylor, Louisa K.....      | 1804 Lucas Place.      |
| Tennent, Zaidee.....       | 3016 Lucas av.         |
| Walker, Etta.....          | 2920 Pine st.          |
| Wickham, Lucy C.....       | 1712 Lucas Place.      |
| Woodson, Julia M.....      | 103 S. Sixteenth st.   |
| Young, Laura W.....        | 1300 Washington av.    |
| Total.....                 | 55.                    |

## COURSE OF STUDY.

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### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

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### PREPARATORY DEPARTMENT.

#### FOURTH PREPARATORY CLASS.

##### FIRST TERM.

- English Language.*—Reading and Spelling.  
*Geography.*—Warren's Elementary.  
*Mathematics.*—Felter's Primary Arithmetic; Federal Money.  
*Writing.*—Begun and continued through the course.  
*Drawing.*—Begun and continued through the course.  
*French.*—Chouquet's First Lessons.  
*Vocal Music.*—Begun and continued through the course.

##### SECOND TERM.

- English Language.*—Reading and Spelling.  
*Geography.*—Guyot's Intermediate; Blackboard Exercises.  
*Mathematics.*—Felter's Intermediate Arithmetic.  
*French.*—Chouquet's First Lessons; Florian.  
*Music.*—Elementary Instruction continued.

## THIRD PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling.

*Geography*.—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps.

*Mathematics*.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Elementary Instruction continued.

## SECOND TERM.

*English Language*.—Reading, Spelling and Grammar.

*Geography*.—As found in History of the United States.

*History*.—Read Berard's United States.

*Mathematics*.—Written Arithmetic; Oral continued.

*French*.—Choquet's First Lessons; Florian.

*Music*.—Elementary Instruction continued.

## SECOND PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading, Spelling, and Grammar.

*Geography*.—Text Book, with Drawing Maps on the Blackboard.

*History*.—Read Abbott's Cyrus.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French*.—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language*.—Reading, Spelling, and Grammar.

*Geography*.—Guyot's Intermediate reviewed.

*History*.—Read Abbott's Darius.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French*.—Chouquet's First Reader; Florian.

## FIRST PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*Physiology*.—House I Live in.

*History*.—Anderson's United States; Geography.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

*French*.—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*History*.—Anderson's United States; Geography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

*French*.—Chouquet's First Reader; Florian.

## ACADEMIC DEPARTMENT.

## FIFTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.

*Geography*.—Map Drawing.

*Mathematics*.—Oral and Written Arithmetic.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Reading, Spelling and Defining.

*Grammar*.—Analysis of Sentences.

*History*.—Dickens's History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Written Arithmetic, with written explanations.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

#### FOURTH ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Grammar reviewed.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

##### SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic; Algebra begun.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Solfeggio Singing and Vocalization.

#### THIRD ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Historical Shakespeare; Spelling.

*History*.—General History, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness's Grammar and Reader.

*Physiology*.—Huxley and Youman's.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Music*.—Solfeggio Singing and Vocalization.

*Drawing*.—Study of Dimension, in straight lines, angles, and curves.

## SECOND TERM.

*English Language.*—Historical Shakespeare.

*Mathematics.*—Algebra; Principles of Arithmetic reviewed, with Problems.

*Latin.*—Grammar and Reader; Cæsar.

*Natural History.*—Botany.

*French.*—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Drawing.*—Study of Form; Sketching.

*Music.*—Solfeggio Singing and Vocalization.

## SECOND ACADEMIC CLASS.

## FIRST TERM.

*English Language.*—Shakespearian Reader.

*Mathematics.*—Geometry.

*Latin.*—Sallust; Antiquities.

*Physics.*—Natural Philosophy.

*Rhetoric.*—Hart's Composition and Rhetoric.

*French.*—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing.*—Study of Light and Shade; Sketching simple objects.

*Music.*—Solfeggio Singing and Thorough Bass.

## SECOND TERM.

*English Language.*—Shakespearian Reader; Trench's Study of Words.

*Mathematics.*—Geometry.

*Latin.*—Ovid; Cicero; Mythology.

*History.*—Review United States.

*Chemistry.*—Rolfe and Gillet's Hand-Book.

*French.*—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing.*—Study of Light and Shade from simple objects.

*Music.*—Solfeggio Singing and Thorough Bass.

## FIRST ACADEMIC CLASS.

## FIRST TERM.

*History*.—Student's Hume.

*Belles-Lettres*.—Collier's English Literature.

*Geography*.—Review.

*Astronomy*.—Lockyer's Elementary.

*Latin*.—Æneid continued.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Theory of Perspective; Sketching.

*Music*.—Continued.

## SECOND TERM.

*Latin*.—Odes of Horace.

*Natural Science*.—Tenney's Geology.

*Political Science*.—Townsend's Analysis.

*Mathematics*.—Arithmetic reviewed.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Practice of Perspective, by sketching objects.

*Music*.—Continued.

## ADVANCED COURSE.

\* Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

## FIRST YEAR.

## FIRST TERM.

*History*.—Smith's History of Greece.

*English Literature*.—Fowler's English Grammar; Selected Reading; Themes.

*Physical Geography*.—Guyot's Earth and Man.

*Mathematics*.—Trigonometry.\*

*Natural History*.—Agassiz and Gould's Zoölogy.

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Grammar.

*Art*.—Drawing from Nature; Biography of Artists.

#### SECOND TERM.

*History*.—History of Rome.

*English Literature*.—Fowler's English Grammar; Selected Reading; Themes.

*Philosophy*.—Logic; Agassiz's Essay on Classification.

*Mathematics*.—Analytical Geometry.\*

*Natural History*.—Agassiz's Methods of Study in Natural History.

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Marie Stuart; Goethe's Egmont.

*Physics*.—Ganot's.\*

*Art*.—Drawing; History of Schools of Art.

#### SECOND YEAR.

##### FIRST TERM.

*History*.—Student's France.

*English Literature*.—Schlegel's Dramatic Art and Literature: Themes.

*Philosophy*.—Hamilton's Metaphysics.

*Political Economy*.

*Chemistry*.—Roscoe's.\*

*Mathematics*.—Mechanics.\*

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

*Physics*.—Ganot's.\*

## SECOND TERM.

- History*.—Stephen's Lectures on the History of France.  
*Philosophy*.—Jouffroy's Ethics; Evidences of Natural and  
Revealed Religion.  
*Astronomy*.—White's.  
*Mathematics*.—Mechanics.\*  
*Physics*.—Study of Correlation of Force.  
*French*.—Literature; Conversation.  
*Latin*.\*  
*German*.—Lessing.  
*Vegetable Physiology*.—Study of some Common Cryptogamic  
Plants; Studies with Microscope.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

## TUITION.

|                                               |         |
|-----------------------------------------------|---------|
| Primary Department, per term of 20 weeks..... | \$35 00 |
| Fourth Preparatory Class, " " .....           | 40 00   |
| Third " " " " .....                           | 45 00   |
| Second " " " " .....                          | 50 00   |
| First " " " " .....                           | 50 00   |
| Fifth Academic " " " " .....                  | 55 00   |
| Fourth " " " " .....                          | 60 00   |
| Third " " " " .....                           | 70 00   |
| Second " " " " .....                          | 80 00   |
| First " " " " .....                           | 80 00   |
| Advanced " " " " .....                        | 80 00   |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

## BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

### III. THE COLLEGE.

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#### FACULTY.

W. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

TRUMAN M. POST, D.D.

CALVIN S. PENNELL, A.M.

SYLVESTER WATERHOUSE, A.M.

GEORGE B. STONE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M., *Registrar.*

LEOPOLD NOA.

HENRY POMEROY, A.M.

WM. EIMBECK, U.S.C.S.

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

FRED. M. CRUNDEN, A.M.

## STUDENTS.

## SENIOR CLASS.

| <i>Name.</i>                | <i>Residence.</i>  |
|-----------------------------|--------------------|
| Bryan, Wm. Jas. Samuel..... | 1419 Dodier st.    |
| Curtis, Wm. Samuel.....     | 3030 Franklin av.  |
| Glover, John Miltor.....    | 2904 Gamble st.    |
| Spargo, John Webster.....   | 2222 S. Spring st. |
| Total .....                 | 4.                 |

## JUNIOR CLASS.

| <i>Name.</i>                 | <i>Residence.</i>      |
|------------------------------|------------------------|
| Bowman, Ed. Monroe .....     | Alton, Ill.            |
| Chouteau, Azby Aug.....      | 1118 Olive st.         |
| D'Oench, Fred. Ernest.....   | 1113 S. Thirteenth st. |
| Ewing, Fred. Berthold.....   | 1112 Olive st.         |
| Farrar, Luther Kennett.....  | 1316 Washington av.    |
| Schuyler, Wm. Ridg.....      | 2820 Locust st.        |
| Stevens, George Lincoln..... | 1228 Washington av.    |
| Total .....                  | 7.                     |

## SOPHOMORE CLASS.

| <i>Name.</i>                   | <i>Residence.</i>   |
|--------------------------------|---------------------|
| Allen, Charles Claflin .....   | 1311 Pine st.       |
| Blair, James Lawrence.....     | 2737 Chesnut st.    |
| Conzelman, Wm. Eliot .....     | 2124 Clark av.      |
| Coste, Paul Felix.....         | 1536 Papin st.      |
| Glasgow, Allen Cuthbert .....  | 3015 Sheridan av.   |
| Glasgow, Frank Adams.....      | 3015 Sheridan av.   |
| Harlow, Wm. Marston.....       | 2613 N. Twelfth st. |
| Sanderson, Albert Erastus..... | Sulphur Springs.    |
| Total .....                    | 8.                  |

## FRESHMAN CLASS.

| <i>Name.</i>                | <i>Residence.</i> |
|-----------------------------|-------------------|
| Bartlett, George Morey..... | Templeton, Mass.  |
| Blewett, Ben.....           | Jennings Station. |

*Name.**Residence.*

|                                |                     |
|--------------------------------|---------------------|
| Bonner, Samuel West.....       | 2828 Pine st.       |
| Burlingham, Albert Starr.....  | 1800 Olive st.      |
| Eliot, Christopher Rhodes..... | 2660 Washington av. |
| Engler, Edmund Arthur.....     | 1515 Jackson st.    |
| Espenschied, Fred. Frank.....  | 813 Hempstead st.   |
| Parsons, Charles Levi.....     | 1211 Washington av. |
| Thompson, Frank Pierce.....    | 2333 Olive st.      |
| Wickham, Edmund Fanning.....   | 1712 Lucas Place.   |
| Total .....                    | 10.                 |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

*Name.**Residence.*

|                           |                 |
|---------------------------|-----------------|
| Copp, George B.....       | 2309 Morgan st. |
| Howland, Wm. Conclin..... | 2231 Clark av.  |
| *Rychlicki, Mary J.....   | King's Highway. |
| Total .....               | 3.              |

## ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books :

## LATIN.

Cæsar's Commentaries; the Bucolics and the Æneid of Virgil, to Book VII.; Cicero's Select Orations, Folsom's or Johnson's edition; Andrews' and Stoddard's Grammar, including Prosody; Writing Latin.

## GREEK.

Colton's or Felton's Reader; Crosby's Grammar, including Prosody; Writing Greek, with the accents.

## GERMAN.

Grammar and Reader; William Tell.

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\* Member of Advanced Class, Mary Institute. Recites in Latin with Freshman Class.

## MATHEMATICS.

Walton's Arithmetic; Greenleaf's Algebra; Chauvenet's Geometry, three books.

## GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Ancient History.

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted.

## TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of the Summer Term in June, and at the commencement of the Fall Term in September; but persons may be examined for advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another college, a certificate of dismissal in good standing.

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COURSE OF STUDY.

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The studies of the Freshman year and the first term of the Sophomore year are all required. For the second term of the Sophomore year the student is allowed an election between Greek and Anglo-Saxon.

Certain studies are also *elective* during the Junior and Senior years, as indicated below.

All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.

## FRESHMAN CLASS.

## FIRST TERM.

*Latin*.—Lincoln's Livy; Exercises in writing Latin.

*Greek*.—Felton's Greek Historians; Exercises in writing Greek;  
Crosby's Grammar.

*Elementary Ethics*.

*Mathematics*.—Chauvenet's Geometry.

*History*.—History of Greece and Rome.

*English*.—March's Method of Philological Study.

*German*.—Grammar; Gæthe's Hermann and Dorothea.

*Themes and Declamation*.

## SECOND TERM.

*Latin*.—Horace; Roman Antiquities; Exercises in writing Latin.

*Greek*.—Panegyricus of Isocrates; Homer; Exercises in writing  
Greek.

*Mathematics*.—Higher Algebra.

*History*.—Student's Hume; Royse's American Literature.

*German*.—Schiller's Marie Stuart; Translations from English.

*Themes and Declamation*.

## SOPHOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's Tusculan Disputation; Exercises in writing  
Latin.

*Greek*.—Demosthenes de Corona; Exercises in writing Greek.

*Mathematics*.—Chauvenet's Trigonometry.

*History*.—Student's Hume; History of English Literature.

*French*.—Grammar; Reader; Composition.

*Themes and Declamation*.

## SECOND TERM.

## REQUIRED STUDIES:

*Latin*.—Juvenal; Andria of Terence, and Captivi of  
Plautus; Exercises in writing Latin.

*Mathematics.*—Analytical Geometry.

*Physics.*—Ganot's.

*French.*—Grammar; Telemaque; Fables de la Fontaine;  
Composition.

*Themes and Declamation.*

#### ELECTIVE STUDIES:

*Greek.*—Alcestis of Euripides; Prometheus of Æschylus;  
Exercises in writing Greek.

*Anglo-Saxon.*

### JUNIOR CLASS.

#### FIRST TERM.

#### REQUIRED STUDIES:

*Chemistry.*—Roscoe's.

*History.*—Student's France.

*Rhetoric.*—Whately's.

*Modern Languages.*—French or German.

*Themes and Original Declamations.*

#### ELECTIVE STUDIES:

*Latin.*—Tacitus or Quintilian; Exercises in writing Latin.

*Greek.*—Thucydides; Antigone of Sophocles.

*Mathematics.*—Analytical Geometry and Calculus.

*Physics.*—Ganot's.

#### SECOND TERM.

#### REQUIRED STUDIES:

*Mechanics.*—Statics; Dynamics.

*Philosophy.*—Atwater's Logic.

*History.*—Student's France.

*Modern Languages.*—French or German.

*Themes and Original Declamations.*

#### ELECTIVE STUDIES:

*Mathematics.*—Differential and Integral Calculus.

*Chemistry.*—Continued.

*Ancient Languages.*—Latin; Greek.

*Comparative Philology.*

## SENIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Astronomy.*—White's.*Mineralogy.*—Dana's.*Philosophy.*—Hamilton's Metaphysics.*English Literature.*—Shaw's Manual; Taine; Reading of Shakspeare.*Modern Languages.*—French; German; Spanish; Italian

## ELECTIVE STUDIES:

*Ancient Languages.*—Latin; Greek.*Practical Chemistry.**Comparative Philology.*

## SECOND TERM.

## REQUIRED STUDIES:

*Geology.*—Dana's.*Ethics.**Evidences of Natural and Revealed Religion.**Political Economy.*—Bowen; Rogers; Mill; Carey.*History.*—Constitutional History of England; Stephen's Lectures on the History of France.*Modern Languages.*—French; German; Spanish; Italian.*Reading of Shakspeare.**Themes and Original Declamations.*

## ELECTIVE STUDIES:

*Ancient Languages.*—Latin; Greek.*Practical Chemistry.**Comparative Philology.*

## LECTURES.

Lectures will be delivered on Chemistry, Natural Philosophy, History, English Language and Literature, Ancient Languages, and Literature, Comparative Philology, Natural History, Geology, Botany, Comparative Anatomy, Outlines of Constitu-

tional and Commercial Law, Astronomy, and other topics, according to the capacity of students for receiving benefit from this mode of instruction.

Arrangements have been made for a course of *University Lectures* on scientific and general subjects, to be open to the public.

## THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the year 1872-73:

### FIRST TERM.

*President*.....GEO. L. STEVENS.  
*Vice-President*.....ED. M. BOWMAN.  
*Secretary*.....ADOLPH HOEBER.

### SECOND TERM.

*President*.....THOMAS A. MINOR.  
*Vice-President*.....GEO. L. STEVENS.  
*Secretary*.....CHAS. M. MORSE.

A paper called the IRVING UNION is published monthly, under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the year 1872-73:

### FIRST TERM.

*Chief Editor*.....W. J. S. BRYAN.  
*Literary Editor*.....JNO. W. SPARGO.  
*Local*.....W. R. SCHUYLER.  
*Business Manager*.....F. F. ESPENSCHIED.

## SECOND TERM.

|                               |                 |
|-------------------------------|-----------------|
| <i>Chief Editor</i> .....     | W. J. S. BRYAN. |
| <i>Literary Editor</i> .....  | C. R. ELIOT.    |
| <i>Local</i> .....            | M. L. HOLMAN.   |
| <i>Business Manager</i> ..... | S. W. BONNER.   |

## LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

## GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic Department and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises.

## SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College, or the Polytechnic Department. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the St. Louis High School, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

## DEGREES.

The degree of Bachelor of Arts will be granted to those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

## VACATIONS.

There will be a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the institution.

## TUITION.

A matriculation fee of five dollars will be charged, payable in advance.

The tuition in this department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term.

# IV. O'FALLON POLYTECHNIC INSTITUTE,

OR

POLYTECHNIC DEPARTMENT.

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## FACULTY.

W. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

GEORGE B. STONE, A.M.

CALVIN M. WOODWARD, A.M., *Dean.*

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

WM. EIMBECK, U.S.C.S.

WM. B. POTTER, A.M., E.M.

F. WM. RAEDER, S.B.

DENHAM ARNOLD, A.M.

CHARLES A. SMITH, C.E.

FRED. M. CRUNDEN, A.M.

J. W. PATTISON.

## STUDENTS.\*

## SENIOR CLASS.

| <i>Name.</i>                  | <i>Residence.</i>  | <i>Room.</i>     |
|-------------------------------|--------------------|------------------|
| Abeles, Robert (I.).....      | St. Louis .....    | 1515 S. 13th st. |
| Hotchkiss, Frank (I.) .....   | St. Louis Tp. ...  | Florissant av.   |
| Lovington, Adolphus (I.)..... | East St. Louis.... | E. St. Louis.    |
| Taussig, Hubert (I).....      | St. Louis .....    | 1423 Hickory st. |
| Total.....                    |                    | 4.               |

## JUNIOR CLASS.

| <i>Name.</i>                      | <i>Residence.</i> | <i>Room.</i>         |
|-----------------------------------|-------------------|----------------------|
| Bartlett, Winthrop (I.).....      | St. Louis.....    | 2606 Gratiot st.     |
| Burger, Wm. A. Gustave (III.)     | St. Louis..       | 1218 N. Seventh st.  |
| Douglass, Henry W. (I.) .....     | St. Louis ....    | 7 S. Sixteenth st.   |
| Holman, Minard L. (I.).....       | St. Louis..       | Cook and Spring avs. |
| Jewett, Eliot Conway, A.B. (I.).. | St. Louis.....    | 2918 Morgan st.      |
| Minor, Thomas A. (IV.).....       | St. Louis .....   | 624 N. Beaumont st.  |
| Patrick, Wm. Francis, A.B. (IV.)  | St. Louis..       | 1618 Washington av.  |
| Total.....                        |                   | 7.                   |

## SOPHOMORE CLASS.

| <i>Name.</i>               | <i>Residence.</i>     | <i>Room.</i>       |
|----------------------------|-----------------------|--------------------|
| Allen, George W. ....      | St. Louis ....        | 1414 Lucas Place.  |
| Brooke, George D.....      | St. Louis ....        | 2701 N. Tenth st.  |
| Graham, Frank.....         | St. Louis.....        | 2221 Olive st.     |
| Hoeber, Adolph.....        | St. Louis.....        | 1121 St. Ange av.  |
| Holman, John O.....        | St. Louis..           | Cook & Spring avs. |
| McKee, James D .....       | St. Louis....         | 214 Mullanphy st.  |
| Morse, Charles M.....      | Kirkwood .....        | Kirkwood.          |
| Roeder, Victor C.....      | Belleville, Ills..... | Dormitory.         |
| Suppiger, Louis G .....    | Highland, Ills..      | 1512 Walnut st.    |
| Tansey, Robert P., Jr..... | St. Louis ....        | 3005 Glasgow Pl.   |
| Total.....                 |                       | 10.                |

\*The Roman numerals after the names indicate the Courses of study pursued by the Student, according to the arrangement on page 67.

## FRESHMAN CLASS.

| <i>Name.</i>               | <i>Residence.</i>                             | <i>Room.</i>                 |
|----------------------------|-----------------------------------------------|------------------------------|
| Balch, LeBreton.....       | Newburyport, Mass.,                           | 1833 Park Place.             |
| Behrens, Louis.....        | St. Louis .....                               | 902 Hickory st.              |
| Derby, Geo. McClellan..... | St. Louis.....                                | 1110 Pine st.                |
| Eisenhardt, Otto.....      | St. Louis.....                                | 1018 S. Eighth st.           |
| Gibson, Victor.....        | St. Louis.                                    | Lafayette av. and Easton Pl. |
| Hawke, William.....        | Neb. City, Neb ..                             | 2920 Olive st.               |
| Meister, Herman..          | St. Louis, Maramec, bet. Minn. and Penn. avs. |                              |
| Meister, Otto .....        | St. Louis, Maramec, bet. Minn. and Penn. avs. |                              |
| Mersman, Fred. C.....      | St. Louis...1016                              | Chouteau av.                 |
| Nulsen, Anton J.....       | St. Louis....1641                             | Missouri av.                 |
| Primm, Vincent B.....      | St. Louis.. 1206                              | Chouteau av.                 |
| Thomas, Edward A .....     | Bridgeton .....                               | Dormitory.                   |
| Total.....                 |                                               | 12.                          |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

| <i>Name.</i>                  | <i>Residence.</i> | <i>Room.</i>    |
|-------------------------------|-------------------|-----------------|
| Block, Henry W. (IV.).....    | St. Louis.....    | 1632 Warren st. |
| Burnet, George, Jr. (I.)..... | Carondelet Tp.... | Carondelet.     |
| Total .....                   |                   | 2.              |

## STUDENTS IN SCHOOL OF ART AND DESIGN.

| <i>Name.</i>               | <i>Residence.</i> | <i>Room.</i>        |
|----------------------------|-------------------|---------------------|
| Anderson, Arthur.....      | St. Louis.....    | 3031 Cass av.       |
| Bland, Mary H.....         | St. Louis.....    | 908 Gratiot st.     |
| Carrar, Agnes J.....       | St. Louis.        | 1316 Washington av. |
| Coyt, Fannie S. ....       | Hanover, N. H.... | 2839 Olive st.      |
| Cunt, Francesca .....      | St. Louis.....    | St. Louis.          |
| Ellingworth, Adelaide..... | St. Louis.....    | Carondelet.         |
| Goslin, Helen P.....       | Alton.....        | 2440 Wash st.       |
| Lasson, Emma C.....        | St. Louis....1623 | Lucas Place.        |
| Jackland, Mary.....        | St. Louis....1623 | Lucas Place.        |
| McLaran, Ella.....         | St. Louis....1628 | Lucas Place.        |
| Hills, Sarah .....         | Webster Groves... | Webster Gr.         |
| Miller, Louise.....        | St. Louis.....    | 24 Targee st.       |
| Patrick, Mary A.....       | St. Louis....3110 | Division st.        |

| <i>Name.</i>           | <i>Residence.</i> | <i>Room.</i>        |
|------------------------|-------------------|---------------------|
| Pettes, Emily P.....   | St. Louis.....    | 1560 Gratiot st.    |
| Read, Susan R.....     | St. Louis.....    | 2314 Half st.       |
| Sawyer, A. Jennie..... | Monticello, Ill.  | 2312 Eugenia st.    |
| Spargo, Francis M..... | St. Louis....     | 2222 S. Spring st.  |
| Wall, Caroline.....    | St. Louis...      | 1403 Carondelet av. |
| Total .....            |                   | 18.                 |

## SUMMARY.

|                                           |    |
|-------------------------------------------|----|
| Seniors.....                              | 4  |
| Juniors .....                             | 7  |
| Sophomore .....                           | 10 |
| Freshmen .....                            | 12 |
| Students not candidates for a Degree..... | 2  |
| Students in School of Art and Design..... | 18 |
| Total .....                               | 53 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be sixteen years old, and must have received a good common English education. They must, especially, exhibit a thorough acquaintance with Arithmetic, Algebra (through Quadratics), three books of Chauvenet's Geometry (or an equivalent), Physical Geography, Physiology, Elementary Philosophy, German Grammar and Reader, and American and English History. Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see calendar); but the students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific Classes in the Academy. See page 27.)

## COURSES OF STUDY.

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The regular courses of study and instruction in this department extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of the advantages of this department will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any of its branches as their path of labor. But it is expected that all who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded. The courses are five in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either course, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of *Bachelor of Science*.

Special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

## FRESHMAN CLASS.

## FIRST TERM.

*Mathematics*.—Geometry (Chauvenet's) completed.

*Physics*.—(Wells's) Natural Philosophy.

*German*.

*History*.—Civil Government; United States Constitution.

*Free-Hand Drawing*.

*Mechanical Drawing*.—Construction of Problems, Use of Scales, India Ink, &c., Construction of Plans.

*English*.—Declamation and Composition; Rhetoric.

## SECOND TERM.

*Mathematics*.—Algebra (Greenleaf's Higher) finished.

*Physics*.—(Ganot's), Pneumatics, Heat, Electricity and Magnetism.

*French*.—Otto's Grammar; Histoire de Charles XII, by Voltaire.

*Free-Hand Drawing*.

*Descriptive Geometry*.—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, &c.

*English*.—Declamation and Composition; Rhetoric.

## SOPHOMORE CLASS.

## FIRST CLASS.

*Mathematics*.—Plane and Spherical Trigonometry (Chauvenet's); Analytic Geometry (Puckle's).

*Physics*.—(Ganot continued), Acoustics, Optics, and Meteorology.

*Descriptive Geometry*.—Intersection of Surfaces; Construction of Paper, Zinc, and Plaster Models.

*Theoretical Chemistry*.—Roscoe's with Lectures.

*Free-Hand Drawing*.

*English*.—Composition and Rhetoric.

## SECOND TERM.

*Mathematics*.—Analytic Geometry continued.

*Surveying*.—Chain and Compass Surveying; Practice in the Field.

- Descriptive Geometry*.—Spherical and Isometric Projections; Shades and Shadows; Perspective.
- Practical Chemistry*.—Qualitative Analysis.
- Mineralogy*.—Dana's Manual.
- Free-Hand Drawing*.—Machinery and Architecture.
- English*.—Composition and Rhetoric; Ethics (Champlin's); Lectures.
- 

## I.—COURSE IN CIVIL ENGINEERING.

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### JUNIOR CLASS.

#### FIRST TERM.

- Mathematics*.—Differential Calculus.
- Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.
- Civil Engineering*.—Levelling and Transit Surveying; Adjustment and Use of Instruments in the Field; Railway Curves, Turnouts, &c.
- Physics*.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, &c., in Plaster.
- Geology*.—Dana's Manual; Lectures.
- Practical Chemistry*.—Qualitative Analysis.
- Drawing*.—Models, Arches, &c.; Shading.
- English*.—Composition.

#### SECOND TERM.

- Mathematics*.—Integral Calculus; Analytic Mechanics.
- Civil Engineering*.—Railroad Engineering; Location of Roads. Estimation of Volumes, &c.; Field Work.
- Mechanics*.—(Rankine's) Applied Mechanics.
- Physics*.—Laboratory Practice.
- Drawing*.—Machines, Profiles, Bridges.
- English*.—Descriptions of Actual Engineering Operations.

## SENIOR CLASS.

## FIRST TERM.

- Civil Engineering*.—Rankine's Manual of Civil Engineering.  
*Mechanics*.—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.  
*Drawing*.—Of Constructions from Actual Measurement.  
*Astronomy*.—White's Elements.  
*English*.—Descriptions as last Term.

## SECOND TERM.

- Civil Engineering*.—Structures of Wood, Stone, and Iron; Designing, and Computing the parts of Bridges, Roofs, &c.  
*Mechanics*.—Stress, Cinematics, Principles of Mechanism, Dynamics.  
*Drawing*.—Designs of Structures.  
*Political Economy*.—Bowen's.  
*Practical Astronomy*.—Use of Instruments; Determination of Time, Latitude, and Longitude.  
*English*.—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

## JUNIOR YEAR.

## FIRST TERM.

- Mathematics*.—Differential Calculus.  
*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.  
*Machinery*.—Cinematics; Principles of Mechanism.  
*Geology*.—Dana's Manual; Lectures.  
*Practical Chemistry*.—Qualitative Analysis.  
*Physics*.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, &c.  
*Drawing*.—Machinery and Models.  
*English*.—Composition.

## SECOND TERM.

- Mathematics*.—Integral Calculus; Analytical Mechanics.  
*Machinery*.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.  
*Mechanics*.—Rankine's Applied Mechanics.  
*Physics*.—Laboratory Practice.  
*Drawing*.—Machine Drawing continued.  
*English*.—Descriptions of Machinery in Actual Use.

## SENIOR YEAR.

## FIRST TERM.

- Machinery*.—Study of different Machines; Strength of Materials.  
*Mechanics*.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)  
*Drawing*.—Of Working Machinery.  
*Astronomy*.—White's Elements.  
*English*.—Descriptions as previous Term.

## SECOND TERM.

- Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.  
*Mechanics*.—Theoretical Study of the Prime Movers; Water-wheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.  
*Drawing*.—Designs of Machines.  
*Political Economy*.—Bowen; Mill; Rogers; Carey.  
*English*.—Graduation Thesis.

### III.—COURSE IN CHEMISTRY.

#### JUNIOR AND SENIOR YEARS.

*Daily Instruction in the Laboratory, including :*

- Qualitative and Quantitative Analysis;
- Pharmaceutical Preparations for the Laboratory and Apothecary, and the Methods of Determining the Value of Drugs;
- Mineral Assays, Metallurgy, Analysis of Soils and Ashes;
- Examination of Poisons, Uses and Value of Manures;
- Mineralogy and Geology;
- The Application of Chemistry to the Arts and Manufactures.

### IV.—COURSE IN MINING AND METALLURGY.

#### JUNIOR YEAR.

- Mathematics.*—Differential and Integral Calculus.
- Descriptive Geometry.*—Applications to Masonry and Machinery.
- Surveying.*—Levelling and Transit Surveying; Adjustment and Use of Instruments in the Field.
- Chemistry.*—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.
- Geology.*—Lithological, Cosmical, Physiographic, Historic and Dynamic.
- Mineralogy.*—Blowpipe Examination of Minerals.
- Mining.*—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.
- Mining Tools, Tunnelling and Sinking Shafts, Timbering and Walling Mines.
- Underground Transportation—Hoisting Engines, Cages, Cars, Man Engines, &c.
- Visits to neighboring Coal, Iron, Lead, and Zinc Mines.

*Metallurgy.*—General Metallurgy—Classification of Processes; Furnaces, Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, &c.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, &c.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, &c.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, &c.; Hot Blast Stoves; Lifts, &c.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, &c.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, &c.

*Mechanics.*—Rankine's Applied Mechanics.

*Physics.*—Laboratory Practice.

*Drawing.*—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, &c.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

#### SENIOR YEAR.

*Mining.*—Ventilation, Natural and Artificial; Measurement or Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, &c.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Digging Machines, &c.; Washing and Dressing of Coal, &c.

General Management of Mines, &c.

*Chemistry*.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, &c.

*Assaying*.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

*Economic Geology*.—Occurrence and Distribution of Ores; Iron, Lead, Copper, &c.; Character, Uses, and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, &c.

*Metallurgy*.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxyde.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

*Blowpipe Analysis*.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, &c.

*Drawing*.—Machines, Furnaces, Mines, &c.

*Projects*.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

## V.—COURSE IN BUILDING AND ARCHITECTURE.

### JUNIOR YEAR.

*Architectural Designs.*—The Elements of Design; the Principles of Composition; Examination of Architectural Works.

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, &c.

*Mathematics.*—Differential and Integral Calculus.

*Physics.*—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Drawing.*—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.

*Mechanics.*—Principles of Statics; Rankine's Applied Mechanics.

*English.*—Composition; Descriptions of Prominent Buildings, &c.

### SENIOR YEAR.

*Architecture.*—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.

*Engineering.*—Stability of Structures, Stress; Strength and Stiffness of Girders, Pillars, &c.; Foundations, Walls, Roofs; Building Materials.

*Physics.*—Laboratory Practice, in Testing Materials, Ventilation, Warming, &c.; Modelling in Plaster and Wood; Framing in Wood and Iron.

*Drawing.*—Designing Architectural Ornaments; Architecture; Landscape; Designs for particular Structures; Drawing from Memory.

*Political Economy.*—Bowen; Mill; Rogers; Carey.

*English.*—Graduation Thesis.

## MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the College Classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

## BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this Department. Besides this magnificent building, there are: a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities will be procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

## CIVIL AND MECHANICAL ENGINEERING.

The Department is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. Besides a full set of ordinary Surveying instruments, it has received from Young, of Philadelphia, a Transit and a Level, both specimens of first-class workmanship. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, &c., adorn the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, a two-horse power Steam-engine, and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, was purchased during the past year, and has been in frequent use by the students in finding the tensile strength, particularly, of zinc. It will continue to stand in the Physical Laboratory, where each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, &c.

The instruction in all branches is given from text books when practicable, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling mills, furnaces, and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to rear not mere theorizers, but practical, far-seeing business men.

### THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic Department, organized in September, 1871, is now in full working order. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy, which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, &c.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of and reports on mines and manufacturing establishments.

#### COLLECTIONS

have already been made, and are constantly receiving additions, embracing models of crystals, and specimens illustrating the various minerals and rocks and their association; ores, coals, petroleum, fire clays, building materials, &c., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will in time be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, &c., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to meet with in the field and the various products in metallurgical operations.

#### ASSAY LABORATORIES

will, before the opening of the next term, be completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, &c., and with volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture-rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays

themselves, under the immediate supervision of the instructor. In the

#### CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, &c., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

#### VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacations they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

The Chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first floor of the large building, will be appropriated to the State Geological Cabinet mentioned below. Students who propose to become professional chemists will spend almost their entire time during their third and fourth years in the Laboratories.

## PHYSICAL LABORATORY.

It is intended to make this new feature in education a very important item in the study of Physics. A large room, about forty-two fee square, on the third floor, has been appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

For the use of students in this and the Chemical Laboratories there is a

## WORK-SHOP

containing an elegant lathe made expressly for the University by the Fitchburg Machine Company, of Massachusetts, for turning wood and iron; a work-bench and a full set of carpenters' and modelling tools, an engine lathe, geer-cutter, and complete outfit of machinists' tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession. During the past year the students have practised turning brass wheels, cutting teeth of wheels, graduating circles, making wooden and iron girders, etc.

The headquarters of the

## STATE GEOLOGICAL SURVEY

are located at this Institution. It is here that the examination, classification, analysis, and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

## THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology or any of its cognate sciences, is in one of the most spacious rooms of this Department, and at all suitable times will be open for the use of students of the University.

## VACATION WORK.

It is expected that surveying parties, composed either wholly or in part of the students of this Department, will be sent into the field, either for the purpose of performing the secondary triangulation of the State of Missouri (under the auspices of the U. S. Coast Survey), or in other similar undertakings. (The Observatory on the University grounds has already been made a point of great importance in the primary survey of the State.) In this work, although the pay is small—about a dollar a day and “found”—there is excellent opportunity to earn *something*, and to learn the details of the very best surveying practice in the world.

## SCHOOL OF ART AND DESIGN.

Through the instruction and direction of Prof. J. W. Pattison, Artist, this branch of the Polytechnic Department has assumed a position of great importance. The large hall over the College has, since the completion of the Polytechnic wing, been entirely devoted to its use. Already it contains a collection of casts from the antique and other drawing models unsurpassed by any in the Mississippi Valley. It includes full-length statues, torsos, busts, heads, feet, hands, legs, groups, &c., besides other models. The high, niched windows afford every facility for lighting these articles, while the hall—about 75x35 feet—accommodates a large number of students simultaneously. Besides the Sophomores and Freshmen, who are required to attend regularly, and a large number of students from the Academy, adult classes of special students, consisting chiefly of ladies, have been formed, which meet three times a week, including Saturday. These students, whose names appear in this catalogue under the head of Students in School of Art and Design, pay each a small tuition, according to the amount of instruction received. Careful instruction is given in

the study and delineation of FORM, and students, according to their proficiency, practice with the pencil, charcoal, crayon, or the brush. The rooms are open at all reasonable hours, and exhibit on their floors and walls, both the methods employed and their results. It is earnestly hoped that all who are interested in this matter will make an effort to avail themselves of the unusual advantages here offered for the study of Art and the practice of Drawing.

### PRACTICAL ASTRONOMY.

The Astronomical Instruments include an Equatorial Telescope of seven-inch aperture, by Fitz; a Pistor and Martin's Sextant of six-inch radius; a forty-eight-inch meridian circle, lent by the United States Coast Survey, and a fine Chronometer, by Dent, of London.

### EXAMINATIONS.

The Examinations in this Department are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

### DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The Degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

## TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

## BOARD AND LODGING.

Students living at a distance from the University can be supplied with rooms in the Dormitory building before referred to. The rent for a single room is \$12 per term; for a double room \$20 per term—that is, \$10 for each occupant. The rooms are unfurnished, but when students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, etc., the students must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and, should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

## EXPENSES.

The minimum expense of maintaining a student in this Department one year is:

|                                               |                 |
|-----------------------------------------------|-----------------|
| Tuition.....                                  | \$100 00        |
| Rent of room.....                             | 20 00           |
| Board, fuel and washing, at \$5 per week..... | 200 00          |
| Books, Instruments, &c.....                   | 30 00           |
| Total.....                                    | <u>\$350 00</u> |

## SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships" and "Sustentation Fund," on page 12; and of other Scholarships on page 61.

## ELEMENTARY DEPARTMENT

OF THE

### O'FALLON POLYTECHNIC INSTITUTE.

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In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1865 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the College classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more

advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chesnut and Seventh streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The preparatory instruction is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose; and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a closer connection with the educational needs of the times. The title of the

Polytechnic building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

The AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

EVENING SCHOOL  
AT THE  
POLYTECHNIC BUILDING,  
*Corner of Seventh and Chesnut Sts.*

---

TEACHERS:

REGIS CHAUVENET, *Principal.*  
RICHARD HAYES,  
WM. J. S. BRYAN,  
RUFUS J. DELANO,  
M. HAYWARD POST.

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STUDENTS:

| NAME.               | NAME.                   |
|---------------------|-------------------------|
| Adams, Don B.,      | Borlinghaus, Chas.,     |
| Adams, Oliver,      | Bottischer, J. L., Jr., |
| Alewell, Henry,     | Brightly, Clarence,     |
| Althouse, Henry,    | Brumboos, Julius,       |
| Amelung, Henry,     | Brown, Thomas,          |
| Aufderheide, Chas., | Buck, Wm. S.,           |
| Bain, Archibald,    | Burrows, Nicholas,      |
| Baker, F. A.,       | Burton, Milton,         |
| Belt, Wm. U., Jr.,  | Butterfield, John,      |
| Benson, Thos. T.,   | Byrnes, John W.,        |
| Bert, Henry,        | Cameron, Jos. M.,       |
| Blickhelm, Harry,   | Clark, Henry,           |
| Bock, Conrad,       | Clifford, John M.,      |
| Boehlan, Gustav,    | Concannon, John F.,     |
| Boppert, Louis,     | Cowlihan, Richard,      |

| NAME.               | NAME.                 |
|---------------------|-----------------------|
| Cox, Chas. J.,      | Hartmann, Henry,      |
| Coleman, John,      | Hartmann, Wm.,        |
| Crooks, Jos. W.,    | Hart, John J.,        |
| Curtis, John M.,    | Harvey, Daniel,       |
| Dassler, Edw. E.,   | Hastings, Wm.,        |
| Dellit, Andrew,     | Hawker, Wm. H.,       |
| Dickey, Chas. W.,   | Heim, Emil,           |
| Dickneite, Wm.,     | Henry, Robert,        |
| Dierker, Henry,     | Herrmann, Geo. P.,    |
| Dodge, A. G.,       | Herrmann, Jno. P.,    |
| Dollus, Alexis,     | Hetlage, Frank,       |
| Donelly, James,     | Heuer, Charles,       |
| Dyer, Chas. A.,     | Hickey, Geo. W.,      |
| Eckhardt, Geo.,     | Hiemenz, Frank,       |
| Eller, Frederick,   | Hildreth, H. W.,      |
| Fahrenholtz, Ernst, | Hogan, R. G.,         |
| Fetherstoub, J. S., | Hogan, Wm. H.,        |
| Fehrmann, Edw.,     | Horner, Otto,         |
| Finerty, Thomas,    | Hottlemann, Rudolph,  |
| Fitzgerald, David,  | Hufuagel, Wm.,        |
| Fluit, Geo. R.,     | Hulbert, Geo. F.,     |
| Forshaw, Jos.,      | Hynson, J. C.,        |
| Forshaw, Nat.,      | Jackels, Louis W.,    |
| Freefield, Samuel,  | Janus, Herrman,       |
| Fulton, Geo. R.,    | Jeep, Julie,          |
| Fischer, John J.,   | Jones, J.,            |
| Gair, James,        | Jones, R. S.,         |
| Gautier, Marce,     | Kaltwasser, Louis O., |
| Gerbig, August,     | Kavanaugh, Ed. J.,    |
| Gerkhardt, Julius,  | Keach, E. P.,         |
| Gerst, Albert,      | Keane, John,          |
| Glaser, Robert,     | Keith, Jno. G.,       |
| Goebel, Arthur,     | Keutnor, Wm. H.,      |
| Goldsmith, Charles, | Kershaw, Harry,       |
| Hacker, John F.,    | Kettenbach, Henry,    |
| Hagen, John,        | Kettenbach, John,     |
| Harris, Jos. A.,    | Kiely, Thomas,        |

## NAME.

Killé, Eddie L.,  
 King, Philip,  
 Koessel, Rudolph,  
 Kollmeyer, John F.,  
 Krewett, Chas. A.,  
 Kuner, Rudolph,  
 Lafranchi, Louis J.,  
 Leak, Geo. W.,  
 Leary, Jos. R.,  
 Leuther, August,  
 Lohe, Henry,  
 Lynch, Patrick,  
 Lingemann, John,  
 McCarty, P. J.,  
 McEvoy, N. J.,  
 McGamara, Michael,  
 McGinniss, George,  
 McGrade, Wm.,  
 McNamara, Jno. J.,  
 McNamara, Jos. T.,  
 Mandel, David,  
 March, Francis,  
 March, Jos. E.,  
 Mardorf, Edward,  
 Mardorf, Theodore,  
 Marx, Henry,  
 Matthews, Hy. C.,  
 Matthews, Lewis,  
 May, Charles,  
 Meiniger, George,  
 Meyer, Herrmann A.,  
 Meyer, Leo J.,  
 Miltenberger, Frank,  
 Miltenberger, Jos.,  
 Mitchell, Edward,  
 Moloney, James,  
 Mulholland, Edw. J.,

## NAME.

Murphy, Dennis,  
 Murray, H. R.,  
 Myers, Mordecai,  
 Nerney, Thos. J.,  
 Neumeister, C.,  
 Niehaus, Albert,  
 Niehaus, Edw. H.,  
 Niemeyer, F. J.,  
 Nolte, H. A.,  
 Nolte, Wm. J.,  
 Nuelle, Joseph,  
 Obermeyer, Edw.,  
 O'Brien, Edw.,  
 O'Neil, Eugene,  
 O'Reilly, Lawrence,  
 Otterhorn, Robert,  
 Oswald, Henry,  
 Partee, Chris. T.,  
 Peck, Wm. H.,  
 Peters, Wm. J.,  
 Phillips, J. W.,  
 Poppert, H.,  
 Power, John J.,  
 Puellmann, A. O.,  
 Raub, Franklin,  
 Rauth, Rudolph,  
 Reed, W. F.,  
 Reese, George,  
 Reid, George,  
 Reith, Edw. B.,  
 Rosenblatt, Isidor,  
 Ross, A. E.,  
 Ross, H. L.,  
 Ruhland, G. A.,  
 Ruhland, Wm.,  
 Ryan, P. J.,  
 St. John, Oakley,

| NAME.                 | NAME.                |
|-----------------------|----------------------|
| Samuels, Simon,       | Sweeny, Harry,       |
| Schaaf, Emil,         | Tamm, Henry,         |
| Schell, Chas. E.,     | Tomkins, John H.,    |
| Schoenweiss, Wm.,     | Trefts, Jacob,       |
| Schuermann, Chas.,    | Tremayne, J. W.,     |
| Schutz, Wm.,          | Uhri, Wm.,           |
| Scott, Eugene,        | Vallé, Frank, Jr.,   |
| Scott, Lorenzo,       | Vuch, Charles,       |
| Sebelle, Theo.,       | Walsh, David F.,     |
| Sebelle, Jno. B.,     | Walker, Eddie H.,    |
| Sheehy, Charles,      | Wauder, George, Jr., |
| Shepers, Albert,      | Watson, Eugene H.,   |
| Simmons, Jos. S.,     | Weaver, Chas. A.,    |
| Sloan, J. M.,         | Weber, Albert,       |
| Smith, George,        | Wever, Gustav. A.,   |
| Smith, Arthur W.,     | Whelan, Dennis,      |
| Smith, Wm. A.,        | Whitehill, Thos.     |
| Stafford, E. H., Jr., | Wenzlick, George,    |
| Stamm, Ernst,         | Wiechmann, M.,       |
| Staffen, John,        | Williams, Geo. T.,   |
| Steinberg, Geo. H.,   | Wieschahn, C. L.,    |
| Steinmetz, Chas. W.,  | Wilson, Oliver T.,   |
| Stratmeyer, August,   | Wimer, Samuel,       |
| Stratmeyer, Henry,    | Winkelmann, R. H.,   |
| Strebile, Charles,    | Woehner, Michael J., |
| Stemler, Henry,       | Young, G.,           |
| Sullivan, Jas.,       | Zausch, Chas.        |
| Sullivan, Oscar,      |                      |

## GIRLS.

|                     |                       |
|---------------------|-----------------------|
| Anderson, L. C.,    | Molyneaux, Elizabeth, |
| Cleveland, Mary S., | Molyneaux, Martha,    |
| Hines, Fanny,       | Norton, Ann.          |

|             |     |
|-------------|-----|
| Boys .....  | 233 |
| Girls ..... | 6   |
| Total ..... | 239 |

## THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

## THE TERM

has been fixed by the Board at five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day time, who could pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

# V. LAW DEPARTMENT.

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## FACULTY.

- HENRY HITCHCOCK, *Provost of Law Department.*  
HON. SAMUEL TREAT (U. S. District Judge, Eastern District of Missouri), *President of Law Faculty.*  
HON. ALBERT TODD.  
HON. SAMUEL REBER (late Judge St. Louis Circuit Court)  
HON. JOHN M. KRUM, " " " " "  
ALEXANDER MARTIN.  
HON. GEORGE A. MADILL (Judge St. Louis Circuit Court)  
HON. RODERICK E. ROMBAUER (late Judge St. Louis Circuit Court).  
JOHN W. NOBLE.  
GEORGE M. STEWART, *Dean of Law Faculty.*

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## ADVISORY AND EXAMINING BOARD.

- PRESIDENT—HON. SAMUEL F. MILLER, Justice of the United States Supreme Court.  
HON. JOHN F. DILLON, U. S. Circuit Judge.  
HON. DAVID WAGNER, Justice of Supreme Court of Missouri  
HON. EPHRAIM B. EWING, " " " "  
HON. W. B. NAPTON, late Justice of Supreme Court of Missouri  
HON. ARNOLD KREKEL, U. S. Dist. Judge, W. Dist. Missouri  
HON. J. D. S. DRYDEN, late Justice Supreme Court of Missouri  
HON. JAMES K. KNIGHT, Circuit Judge, St. Louis Co., Mo.  
HON. JAMES J. LINDLEY, " " " " "  
HON. HORATIO M. JONES, " " " " "  
HON. JAMES R. LACKLAND, late Judge St. Louis Cir. Court  
JAMES O. BROADHEAD, Esq.  
JOHN R. SHEPLEY, Esq.  
SAMUEL T. GLOVER, Esq.  
CHARLES C. WHITTELSEY, Esq.

## STUDENTS.

## SENIOR CLASS—1872-73.

| <i>Name.</i>              | <i>From</i>        | <i>Residence.</i>       |
|---------------------------|--------------------|-------------------------|
| Carlisle, James L.....    | St. Louis, Mo....  | 312 N. Eleventh st.     |
| Dassler, Charles F. W.... | St. Louis, Mo....  | 1725 Morgan st.         |
| Foulon, Irenæus D.....    | Highland, Ill....  | 116 N. Thirteenth st.   |
| Goode, Robert W.....      | St. Louis, Mo....  | 203 Pine st.            |
| Gostorf, George W.....    | St. Louis, Mo....  | 1433 Carondelet av.     |
| Gottschalk, Edward L....  | St. Louis, Mo....  | 1421 State st. [ton av. |
| Hawkins, Reuben T.....    | Clinton Co., Ill.. | Cor. 6th & Washing-     |
| Hedges, Benjamin F.....   | St. Louis, Mo....  | 2811 Stoddard st.       |
| Hunt, Theodore.....       | St. Louis, Mo....  | 104 N. Fourth st.       |
| Ladd, J. Linn.....        | Mexico, Mo.....    | 705 Pine st.            |
| Muench, Hugo.....         | St. Louis, Mo....  | 1725 Morgan st.         |
| Murphy, Michael J.....    | Carondelet, Mo..   | Cor. Adams & 4th st.    |
| Nicholson, James Barclay. | St. Louis, Mo....  |                         |
| Obermeyer, Simon.....     | St. Louis, Mo....  | Cor. 5th & Chesnut.     |
| O'Rourke, John F.....     | Carondelet, Mo..   | 1626 Wash st.           |
| Pearson, James M.....     | Carrollton, Miss.. | 1422 Olive st.          |
| Peete, Hiram L.....       | St. Louis, Mo....  | 1917 Biddle st.         |
| Prescott, Barnett W.....  | St. Louis, Mo....  | Geyer av., near Cali-   |
|                           |                    | fornia av.              |
| Riley, Henry Clay.....    | New Madrid, Mo.    | 1229 Olive st.          |
| Schrage, Charles A.....   | St. Louis, Mo....  | 819 Destrehan st.       |
| Singleton, Charles G..... | Fulton, Mo.....    | 2804 Clark av.          |
| Smith, William C.....     | Savannah, Mo...    | Park Hotel.             |
| Starr, Charles E.....     | Burlington, Ia...  | 108 N. Eleventh st.     |
| Tallman, Henry M.....     | St. Louis, Mo....  | 1318 Chouteau av.       |
| Taylor, Philip V.....     | St. Louis, Mo....  | 915 Amelia av.          |
| Total.....                |                    | 25.                     |

## JUNIOR CLASS—1872-3.

| <i>Name.</i>          | <i>From</i>       | <i>Residence.</i>   |
|-----------------------|-------------------|---------------------|
| shon, Scott.....      | Leavenworth, Ks.  | 1229 Olive st.      |
| ollins, Robert E..... | St. Louis, Mo.... | 1210 Washington av. |
| ook, Lemuel C.....    | Magnolia, Ark...  |                     |
| ountryman, Ambrose D. | Hastings, Minn..  | 1028 Franklin av.   |

|                           |                      |                       |
|---------------------------|----------------------|-----------------------|
| Cummings, George W....    | Terre Haute, Ind.    | Planters' House.      |
| Damron, Almus G.....      | Vienna, Ill.....     | 1229 Olive st.        |
| Davis, John D.....        | St. Louis, Mo....    | 2219 Olive st.        |
| Delaney, John O'F.....    | St. Louis, Mo....    | 2900 Lafayette av.    |
| Dyer, I. Jackson.....     | Pittsfield, Ill..... | 1028 Franklin av.     |
| Foster, James S.....      | St. Louis, Mo....    | 2817 Adams st.        |
| Frazer, Thomas H.....     | Hannibal, Mo....     | 1413 Chesnut st.      |
| Frost, Rufus H.....       | Atlanta, Ill.....    |                       |
| Gillam, W. Hiram.....     | Crawfordsville, Ind. | 1728 Washing. av.     |
| Green, George D.....      | St. Joseph, Mo...    | 1103 N. Park Place.   |
| Hamilton, William D....   | Warrensburg, Mo.     | 212 North Third st.   |
| Hicks, Frank.....         | St. Louis, Mo....    | 2117 Clark av.        |
| Knapp, Vernon W.....      | St. Louis, Mo....    | 818 Gratiot st.       |
| Koerner, Christian.....   | St. Louis, Mo....    | 1801 Franklin av.     |
| Linton, Frank L.....      | College Hill, Mo.    | 1801 Franklin av.     |
| McHose, J. B.....         | Geneseo, Ill.....    | 1103 Morgan st.       |
| Mellon, Jefferson L.....  | Claysville, Mo...    | 307 Olive st.         |
| Newman, Charles.....      | Alton, Ill.....      | 116 N. Thirteenth st. |
| O'Bannan, W. Bird.....    | Sedalia, Mo.....     | 1229 Olive st.        |
| Peebles, Frank W.....     | St. Louis, Mo....    | 826 S. Fourteenth st. |
| Sanford, Joseph T.....    | Paris, Mo.....       | Cor. 6th & Wash. av.  |
| Warner, Samuel A., Jr.... | Jonesboro, Ark...    | 1229 Olive st.        |
| Total.....                |                      | 26.                   |

The Law Department of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts o

the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides causes at Common Law and in Equity, also the State, Circuit and Criminal Courts and the Supreme (or highest appellate) Court of Missouri; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of five years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends during the past year, the Law School is enabled to present, give promise of still greater efficiency in the future.

#### COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts, and Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

#### SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this Department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year." Applications for these scholarships should be made to the Provost before the 20th September.

Competition for the prize referred to is confined to the members of the Graduating Class in each year, under regulations announced at the opening of the term.

## TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1873-74:

Blackstone's Commentaries (Sharswood), Books I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Story's Equity Jurisprudence, Washburn on Real Property, vol. 1; Stephens on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Parsons' Mercantile Law, Addison on Torts (abr.), Schouler's Domestic Relations.

Applicants for admission to the Senior Class of 1873-74 will be required to pass a satisfactory examination on the foregoing works before the beginning of the term, and should apply in person, before or during the first week in October, to the Provost or Dean.

The Senior Class will use the following:

Story on the Constitution, Parsons' Marine Insurance, Conkling's Treatise on Jur. and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Bishop's Criminal Law, Story on Sales, Edwards on Bills and Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any deduction be made from the term fee.

Applicants for the degree of LL.B. must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of

the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

#### TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street.

Good board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

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## SUMMARY.

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|                                                  |     |
|--------------------------------------------------|-----|
| THE ACADEMY.....                                 | 324 |
| MARY INSTITUTE.....                              | 292 |
| THE COLLEGE.....                                 | 31  |
| O'FALLON POLYTECHNIC INSTITUTE.....              | 53  |
| ELEMENTARY DEPARTMENT. POLYTECHNIC INSTITUTE.... | 239 |
| LAW SCHOOL.....                                  | 51  |
| Total.....                                       | 990 |

# LIST OF GRADUATES.

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## GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked.]

1862.

HENRY MARTIN ANDERSON.  
CHARLES BRANCH, A.M.  
HENRY BRANCH, A.M.  
REGIS CHAUVENET, A.M.  
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.  
JOHN TILDEN DAVIS.  
WILLIAM RHIND DONALDSON.  
HENRY WARE ELIOT.  
OSCAR WILLIAM GAUSS.  
NATHANIEL GRAY SMITH HART.  
CHESTER HARDING KRUM.  
THOMAS KEITH SKINKER.  
\*JAMES STATTS WATERS. 1869.

1864.

GEORGE WEBER CUTTER, A.M.  
CHARLES EDWARD ILLSLEY, A.M.  
JOHN HERAN KERCHEVAL.  
JOHN GEORGE DAVID KNIGHT, A.M.  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY\*GARDINER BLAKE.  
FREDERICK JULIUS CASTLEHUN, A.M.  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER. 1868.  
CHARLES FLETCHER HAZARD.  
JOSEPH NORWOOD LITTON.  
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.  
ALEXANDER GILL DONALDSON.  
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK.  
FREDERICK MORGAN CRUNDEN.  
HARVEY HALE DELANO.  
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP.  
CHARLES MANNING LITTON.  
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.  
DAVID ROWLAND FRANCIS.  
DAVID GOLDSMITH.  
GEORGE WASHINGTON TAUSSIG.  
LOUIS WILLIAM TEUTEBERG.  
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER.  
SAMUEL HEMPLE CHAUVENET.  
JOHN WILLIAM HOUGH.  
HENRY WILLIAM THIELE.

1872.

ELIOT CONWAY JEWETT.  
LYNE SHACKLEFORD METCALFE, JR.  
WILLIAM FRANCIS PATRICK.  
MARTIN HAYWARD POST.  
ADOLPH MAX SCHEEL.

GRADUATES IN POLYTECHNIC  
DEPARTMENT.

1866.

REGIS CHAUVENET, B.S.

EDWARD SINGLETON HOLDEN, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871.

EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.

RUDOLPH RITTER, C.E.

ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE.

RUFUS JUDAH DELANO.

ALBERT FRED. D'OENCH.

## GRADUATES IN LAW.

1869.

MAURICE D. COLLIER.  
DANIEL DILLON.  
JAMES S. GARLAND.  
WILLIAM E. HALL.  
JOHN H. NICHOLSON.  
JOHN P. PLAYER.  
GIFFORD S. ROBINSON.  
CHARLES H. SEE.  
PHILIP SUTHERLIN.  
PETER J. TAAFFE.  
JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY.  
LEWIS E. BEACH.  
NATHANIEL C. DRYDEN.  
EDWARD P. McCARTY.  
WILLIAM F. MARSH.  
OTTO W. MEYSENBURG.  
RICHARD H. NORTON.  
ALFRED A. PAXSON.  
WILLIAM T. RICHMOND.

1871.

PHEBE W. COUZINS.  
ALEX. N. DEMENIL.  
SILAS W. DOOLY.  
HENRY C. HART, JR.  
HENRY C. HOGG.  
WM. T. HOUSTON.  
FRED. N. JUDSON.  
WM. C. KUEFFEN.  
FOSTER T. MARTIN.  
DAVID MURPHY.  
WILLARD A. SMITH.  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH.  
HENRY I. D'ARCY.  
DAVID GOLDSMITH.  
JOHN L. MAXWELL.  
JOHN J. McCANN.  
HENRY E. MILLS.  
CHARLES NAGEL.  
ALBERT NIGGEMAN.  
HENRY O'GORMAN.  
THOMAS J. ROWE.  
LEANDER J. SMITH.  
MICHAEL J. SULLIVAN.  
GEORGE W. TAUSSIG.  
EUGENE C. TITTMAN.  
FREDERIC A. WISLIZENUS.

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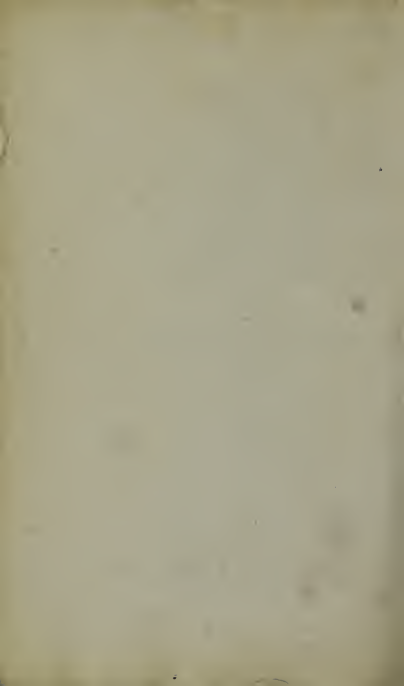
## HONORARY GRADUATES.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.







A CATALOGUE

OF THE

OFFICERS, STUDENTS, AND COURSES OF STUDY

IN THE SEVERAL DEPARTMENTS OF

WASHINGTON UNIVERSITY.

FOR THE

ACADEMIC YEAR 1873-74.

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SAINT LOUIS:

R. F. STUDLEY COMPANY, PRINTERS, 221 N. MAIN STREET,  
1874.

# UNIVERSITY CALENDAR.

1873-74.

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FIRST TERM begins Monday, September 8, 1873.  
THANKSGIVING DAY, Thursday, November 27, 1873.  
WINTER VACATION, December 24, 1873, to January 4, 1874, inclusive.  
SEMI-ANNUAL EXAMINATION, January 19—23, 1874.  
SECOND TERM begins Monday, January 26, 1874.  
ANNIVERSARY EXHIBITION, February 22, 1874.  
ALUMNI MEETING, February —, 1874.  
EXHIBITION of the Irving Union Debating Society, Thursday, May 7, 1874.  
HOLIDAY, Friday, May 8, 1874.  
LAW COMMENCEMENT, Monday, May 18, 1874.  
SENIOR EXAMINATION, May 28—29, 1874.  
ANNUAL EXAMINATION, June 3—10, 1874.  
EXAMINATION FOR ADMISSION to the College and the Polytechnic  
Department, Monday and Tuesday, June 8 and 9, 1874.  
COMMENCEMENT, Thursday, June 11, 1874.  
SUMMER VACATION, June 11 to September 14, 1874.

1874-75.

EXAMINATION FOR ADMISSION to the College and the Polytechnic  
Department, Friday and Saturday, September 11 and 12, 1874.  
FIRST TERM begins Monday, September 14, 1874.  
LAW SCHOOL opens Wednesday, October 15, 1874.  
THANKSGIVING DAY, —, —, 1874.  
WINTER VACATION, December 24, 1874, to January 3, 1875, inclusive.  
SEMI-ANNUAL EXAMINATION, January 25—29, 1875.  
SECOND TERM begins February 1, 1875.  
ANNIVERSARY EXHIBITION, February 22, 1875.

# CORPORATION.

---

PRESIDENT :

•WILLIAM G. ELIOT.

VICE-PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

WILLIAM G. ELIOT,  
WAYMAN CROW,  
JOHN M. KRUM,  
JAMES SMITH,  
SETH A. RANLETT,  
GEORGE PARTRIDGE,  
JOHN R. SHEPLEY,  
ALBERT TODD,

HUDSON E. BRIDGE,  
HENRY HITCHCOCK,  
JAMES E. YEATMAN,  
SAMUEL TREAT,  
CARLOS S. GREELEY,  
ROBERT CAMPBELL,  
JOHN P. COLLIER,  
JOHN T. DAVIS.

# OFFICERS

## OF

### GOVERNMENT AND INSTRUCTION.\*

|                                                                                                                                                                                                | RESIDENCE.          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| W. G. ELIOT, D.D., <i>Chancellor and Tiler-</i><br><i>ton, Professor of Political Economy</i> .....                                                                                            | 2660 Washington av. |
| ABRAM LITTON, M.D., <i>Eliot Professor</i><br><i>of Chemistry</i> .....                                                                                                                        | 2220 Eugenia st.    |
| ———, <i>Wayman Crow Professor of</i><br><i>Physics</i> .....                                                                                                                                   |                     |
| TRUMAN M. POST, D.D., <i>Professor of</i><br><i>Ancient and Modern History</i> .....                                                                                                           | 3031 Lucas av.      |
| GEORGE ENGELMANN, M.D., <i>Professor</i><br><i>of Botany and Natural History</i> .....                                                                                                         | 201 S. Fifth st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Pro-</i><br><i>fessor of Intellectual and Moral Phil-</i><br><i>osophy, and Principal of Mary Institute</i> ,.                                              | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A.M., <i>Col-</i><br><i>lier Professor of Greek</i> .....                                                                                                                | 1819 Washington av. |
| GEORGE B. STONE, A.M., <i>Professor of</i><br><i>Rhetoric, and Principal of the Academy</i> ,.                                                                                                 | 1016 N. 17th st.    |
| HENRY HITCHCOCK, A.M., <i>Professor of</i><br><i>Real Prop., Law and Provost of the Law</i><br><i>Department</i> .....                                                                         | 1507 Lucas Place.   |
| SAMUEL TREAT, A.M., <i>Lecturer on Con-</i><br><i>stitutional and Admiralty Law and Prac-</i><br><i>tice and Proceedings in U. S. Courts, and</i><br><i>President of the Law Faculty</i> ..... | 1114 Pine st.       |

\*Arranged, with the exception of the Chancellor, in the order of appointment.

## RESIDENCE.

|                                                                                                                                      |                                 |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| ALBERT TODD, A.M., <i>Lecturer on the Law of Real Property as applied to Conveyancing</i> .....                                      | Park av. w. of Lafayette Park.  |
| ALEXANDER MARTIN, A.M., <i>Professor of International, Constitutional, Admiralty and Maritime Law</i> .....                          | 203 Pine st.                    |
| SAMUEL REBER, A.M., <i>Prof. of the History and Science of Law, Equity and Succession</i> .....                                      | 2206 Olive st.                  |
| JOHN M. KRUM, A.M., <i>Lecturer on Roman Law</i> .....                                                                               | 1107 Washington av.             |
| GEORGE A. MADILL, A.M., <i>Professor of Real Property Law</i> .....                                                                  | 2347 Market st.                 |
| CALVIN M. WOODWARD, A.M., <i>Thayer Professor of Mathematics and Applied Mechanics, and Dean of the Polytechnic Department</i> ..... | { Park Pl. s. of Lafayette av.  |
| GEORGE E. JACKSON, A.M., <i>Professor of Latin</i> .....                                                                             | { Washington av. w of Grand av. |
| MARSHALL S. SNOW, A.M., <i>Professor of Belles-Lettres and Registrar of the College</i> , 2841 Olive st.                             |                                 |
| HENRY POMEROY, A.M., <i>Professor of Astronomy and Mathematics</i> .....                                                             | 827 Chouteau av.                |
| GEORGE M. STEWART, A.M., <i>Professor of Mercantile Law and Contracts, and Dean of the Law Faculty</i> .....                         | 618 Olive st.                   |
| WM. EIMBECK, U.S.C.S., <i>Professor of Practical Astronomy</i> .....                                                                 | 1143 S. 7th st.                 |
| WM. B. POTTER, A.M., E.M., <i>Allen Prof. of Mining and Metallurgy</i> .....                                                         | Wash. University.               |
| F. WM. RAEDER, S.B., <i>Professor of Architecture</i> .....                                                                          | 1719 Lafayette av.              |
| DENHAM ARNOLD, A.M., <i>Professor of Physics, and Vice-Principal of the Academy</i> , 2643 Washington av                             |                                 |
| CHAS. A. SMITH, C.E., <i>Professor of Civil and Mechanical Engineering</i> .....                                                     | 1518 Lafayette av.              |
| FRED. M. CRUNDEN, A.M., <i>Professor of Elocution</i> .....                                                                          | 1512 Walnut st.                 |

## RESIDENCE.

- CHESTER H. KRUM, A. B., *Professor of the Law of Pleading, Practice and Evidence; Torts and Domestic Relations*.....2732 Washington av.
- R. THOMPSON BOND, *Assistant Prof. of Mathematics*.....2808 Lafayette av.
- RUDOLPH C. ARENDT, Ph.D., *Instructor in Modern Languages* .....1402 Pine st.
- HIRAM L. PEET, *First Assistant in the Academy* .....1917 Biddle st.
- JOHN H. JENKS, M.D., *Teacher of German and Physiology*.....2812 N. 16th st.
- ISAAC N. CUNDALL, A.M., *Teacher of Third Academic*.....1919 Biddle st.
- CHARLES H. STONE, *Teacher of Fourth Academic* .....1017 N. 16th st.
- HORACE A. BROWN, LL.B., *Teacher of Book Keeping and Penmanship*.....1917 Biddle st.
- ELI R. OFFUTT, *Teacher of Mathematics*, 2808 Lafayette av.
- A. B. COPELAND, *Teacher of Drawing*..1604 Olive st.
- R. BENECKE, *Instructor in Photography*. 330 Market street.
- WALDEMAR MALMENE, M.B., *Cantab. Teacher of Vocal Music*.....1635 Washington av.
- MRS. ANNA B. HILLMAN, *Teacher in Preparatory Department*.....2723 Wash st.
- MISS INEZ E. BORDEN, *Teacher in Preparatory Department*.....1016 N. 17th st.
- MISS AMANDA FORD, *Principal of Primary Department*.....1016 N. 17th st.
- MISS LIZZIE W. LEIGH, *Assistant Teacher in Primary Department*.....3214 Sheridan av.

## MARY INSTITUTE.

## RESIDENCE.

- CALVIN S. PENNELL, A.M., *Principal*, 1600 Pine street.
- Miss MARY S. WATKINS, *Instructor in Latin and Natural Sciences*..... 1225 Washington av.
- Miss HENRIETTA SAWYER, *Principal of Preparatory Department*..... 2839 Olive street.
- Miss MARGARET T. WALLACE, *Principal of Primary Department*..... 2926 Laclede av.
- Miss ANNA FLINTHAM, *Assistant in Primary Department*..... 2625 Lucas av.
- Miss FLORENCE K. HOLDEN, *Instructor in Penmanship*..... 2915 Market street
- Miss SARAH E. COLE, *Instructor in Natural Sciences and Mathematics*..... 103 South 15th st.
- Miss MARY E. MACK, *Teacher of Natural Philosophy and other English Branches*.. 2703 Lucas av.
- Miss MARY E. GLIDDEN, *Teacher of Reading and Composition*..... 2502 Carr street.
- Miss ANNIE WALL, *Teacher of History and Physical Geography*..... 1312 Washington av.
- Miss EMILY P. PETTES, *Teacher of English Branches*..... 1729 Morgan street.
- MRS. CHARLOTTE ELIOT, *Teacher of English Branches*..... 2660 Washington av.
- MADAME LOUISE GRANDJEAN, *Teacher of French*..... 1614 Dodier street.
- Miss MARY E. STRATTON, *Assistant in French and Teacher of English*..... 1124 Locust street.
- Miss HENRIETTE MARIA NOA, *Teacher of German and Gymnastics*..... 2739 Morgan street.
- MRS. KATE J. BRAINERD, *Teacher of Vocal and Instrumental Music*..... 2502 Carr street.
- Miss SARAH M. MILLS, *Teacher of Drawing*..... 1703 Olive street.

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into the charge or charges that may be preferred, in respect thereof,

by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific Department was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law Department was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must

be paid, and the best facilities of education, apparatus, library, buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those offered in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principles on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

#### "ARTICLE V.

##### "ENDOWMENT OF PROFESSORSHIPS.

"Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

#### "ARTICLE VI.

##### "ENDOWMENT OF DEPARTMENTS.

"Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

## "ARTICLE VII.

## "SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

WESTERN SANITARY COMMISSION FREE  
SCHOLARSHIPS.

A Trust Fund of \$30,000 has been accepted by the University, from the above named Commission, for the establishment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic Department, to be filled by children or descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, or who fails to comply with the rules of the institution.

WESTERN SANITARY COMMISSION SUSTEN-  
TATION FUND.

From the same source a Sustentation Fund of \$10,000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

## THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

## THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thos. Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver. The chair was filled in August, 1871, by the appointment of Prof. Wm. B. Potter, of the Columbia College School of Mines, who entered upon his duties in the following September.

## THE GENERAL ENDOWMENT

Of the University has been increased during the last year by a gift of \$70,000 from Mr. James Smith, one of the earliest and best friends of the Institution; by \$1,000 from G. Conzelmann, Esq.; by the same amount from William Glasgow, Jr., and by \$10,000 from Hon. Albert Todd. Mr. Smith and Mr. Todd are members of the Board of Directors.

## ORGANIZATION.

The UNIVERSITY comprises five distinct Departments :

I.—THE ACADEMY.

II.—MARY INSTITUTE.

III.—THE COLLEGE.

IV.—THE POLYTECHNIC DEPARTMENT.

V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Each department has an organization of its own, and is under the charge of a Principal, or a Faculty of Professors. Students entering the Polytechnic Department and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic Department without examination.

# I.—THE ACADEMY.

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## FACULTY AND INSTRUCTORS.

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WM. G. ELIOT, D.D.,

CHANCELLOR.

GEORGE B. STONE, A.M.,

PRINCIPAL.

DENHAM ARNOLD, A.M.,

VICE-PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A. M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.M.

RUDOLPH C. ARENDT, PH.D.

HIRAM L. PEET.

JOHN H. JENKS, M.D.

R. THOMPSON BOND.

ISAAC N. CUNDALL, A.M.

CHAS. H. STONE.

HORACE A. BROWN, LL.B.

ELI K. OFFUTT.

A. B. COPELAND.

WALDEMAR MALMENE.

MRS. ANNA B. HILLMAN.

MISS INEZ E. BORDEN.

MISS AMANDA FORD.

MISS LIZZIE W. LEIGH.

## STUDENTS.

## ADVANCED CLASS.

## NAME.

## RESIDENCE.

|                              |                              |
|------------------------------|------------------------------|
| Burlingham, Charles C.....   | 2710 Locust street.          |
| Chauvenet, Wm. Marc.....     | 2703 Lucas avenue.           |
| Cunningham, Henry Davis....  | Park ave. near Miss. ave.    |
| Eames, Wm. S.....            | 1224 Washington avenue.      |
| Eliot, Edward Cranch.....    | 2660 Washington avenue.      |
| Gore, Charles.....           | 1017 Olive street.           |
| Hitchcock, Henry, Jr.....    | 1507 Lucas Place.            |
| Hough, Charles M.....        | Kirkwood, Mo.                |
| Kennett, William C.....      | 1701 Washington avenue.      |
| McClellan, Henry Sharpe..... | 3428 Morgan street.          |
| McKinley, Crittenden.....    | 2620 Olive street.           |
| Noland, Charles T.....       | 2636 Olive street.           |
| Rudolph, Charles.....        | 705 North Nineteenth street. |
| Samuel, William P.....       | 2420 Chestnut street.        |
| Shapleigh, John B.....       | 1229 Washington avenue.      |
| Taussig, Frank Wm.....       | 1526 Mississippi avenue.     |
| Wickham, Wm. Fanning.....    | 1712 Lucas Place.            |
| Total, 17.                   |                              |

## FIRST CLASS.

## NAME.

## RESIDENCE.

|                                |                       |
|--------------------------------|-----------------------|
| Bartels, Gustave Charles.....  | Denver, Col.          |
| Duke, James Clay.....          | 2327 Olive street.    |
| Farrar, Charles Thruston ..... | 2733 Chestnut street. |
| Hay, John.....                 | Belleville, Ills.     |
| Hinckley, Walter Raleigh.....  | Belleville, Ills.     |
| Johnson, Warren.....           | 1129 Locust street.   |
| Lopez, George.....             | Ironton, Mo.          |

| NAME.                       | RESIDENCE.                    |
|-----------------------------|-------------------------------|
| McPherson, Page.....        | Wash ave. beyond Vandeventer. |
| Mense, Charles W.....       | 3104 Morgan street.           |
| Obear, Frank W.....         | Lafayette & Arkansas aves.    |
| Paramore, Frederic W.....   | 1322 Chouteau avenue.         |
| Ritterskamp, Louis, Jr..... | 2341 State street.            |
| Thomas, John R.....         | St. Louis Township.           |
| Thompson, George D.....     | 2333 Olive street.            |
| Total, 14.                  |                               |

## SECOND CLASS.

| NAME.                         | RESIDENCE.                |
|-------------------------------|---------------------------|
| Adams, John A.....            | 1929 Morgan street.       |
| Bargen, Rudolph Justus.....   | 1014 North Fifth street.  |
| Blossom, Russell.....         | 2726 Lucas avenue.        |
| Breckinridge, John.....       | 2303 Olive street.        |
| Bryan, Frank T., Jr.....      | 1405 Pine street.         |
| Bryan, John H.....            | 1405 Pine street.         |
| Clark, Robt. Stuart.....      | 3006 Locust street.       |
| Donnan, Alexander Coe.....    | Carondelet.               |
| Freund, Otto.....             | Mascoutah, Ills.          |
| Humphreys, George Adams....   | 2621 Pine street.         |
| Kaime, Edwin Francis.....     | Grand avenue.             |
| McKinley, Andrew.....         | 2620 Olive street.        |
| McNeil, Gordon Charles.....   | 1806 Carr street.         |
| Monell, Joseph.....           | 319 North Seventh street. |
| Montgomery, James W.....      | 1316 Olive street.        |
| Nichols, Frank Barrett.....   | 2708 Olive street.        |
| Picot, Eugene J.....          | 3146 Locust street.       |
| Raab, Ernest P.....           | Belleville, Ills.         |
| Schoenthaler, Fred. G.....    | 1206 South Fifth street.  |
| Senden, Charles George.....   | 1833 Carr street.         |
| Shapleigh, Richard Waldron... | 1229 Washington avenue.   |
| Shepley, John Foster.....     | 1518 Washington avenue.   |
| Thomas, Benj. F.....          | St. Louis Township.       |
| Von Schrader, Otto.....       | 1315 Garrison avenue.     |
| Wülfing, Max.....             | 1919 Gratiot street.      |
| Total, 25.                    |                           |

## THIRD CLASS.

## NAME.

## RESIDENCE.

|                                 |                                 |
|---------------------------------|---------------------------------|
| Adams, John.....                | 1550 Gratiot street.            |
| Aderton, Joseph G.....          | 2651 Olive street.              |
| Aull, Wilson.....               | 1520 Lucas Place.               |
| Baron, Julius .....             | 1214 South Fifth street.        |
| Bartlett, Andrew W.....         | 2312 Eugenia street.            |
| Bernd, Gustave .....            | Mellville, La.                  |
| Block, William A.....           | 1632 Warren street.             |
| Bratney, Theodore S.....        | Preston, Ill.                   |
| Bryan, Kenneth.....             | Kirkwood, Mo.                   |
| Campbell, Hazlett K .....       | 1508 Lucas Place.               |
| Campbell, James A.....          | 1508 Lucas Place.               |
| Carr, Henry A.....              | Freeburg, Ill.                  |
| Dean, Aaron G .....             | Union, Mo.                      |
| Dryden, Nathaniel J.....        | 1112 Madison street.            |
| Fabian, Werner.....             | 1417 Park avenue.               |
| Fishback, Louis M .....         | Kirkwood, Mo.                   |
| Gerdemann, August.....          | Cappeln, Mo.                    |
| Gildehaus, Richard.....         | 1910 Gratiot street.            |
| Glover, James.....              | 2904 Gamble street.             |
| Hayward, Harry E.....           | 1220 Pine street.               |
| Hazeltine, Wm. B. jr.....       | 2731 Pine street.               |
| Jackson, Edward F.....          | Washington av. beyond Grand     |
| Kalb, Theodore .....            | 902 Gratiot street.             |
| Keferstein, William Louis ..... | N. E. cor. St. Ange and Hickory |
| Kennett, George C.....          | 1701 Washington avenue.         |
| Lafin, Sylvester H. jr .....    | 1218 Olive street.              |
| Oeters, George Caspar.....      | 209 South Main street.          |
| Papin, Theophile.....           | 2014 Olive street.              |
| Sappington, Lewis N.....        | St. Louis Township.             |
| Scholer, Maxwell.....           | 3002 Cass avenue.               |
| Scott, Wm. Poston .....         | 3018 Lucas avenue.              |
| Shepley, George F.....          | 1518 Washington avenue.         |
| Trorrlicht, August.....         | 1829 Carr street.               |
| Turner, Henry J.....            | 1706 Lucas Place.               |

Total, 36.

## FOURTH CLASS.

| NAME.                        | RESIDENCE.                       |
|------------------------------|----------------------------------|
| Babcock, Wm. Lester.....     | S. E. cor. Lafayette & Jefferson |
| Bain, Robert E. M.....       | 1420 Lasalle street.             |
| Baker, John L.....           | 1208 Washington avenue.          |
| Bell, Ernest P.....          | 3623 Olive street.               |
| Boardman, Charles H.....     | 2508 Wash street.                |
| Bridge, Hudson Elliott.....  | Glendale, Mo.                    |
| Bridge, Harrison P.....      | Glendale, Mo.                    |
| Bry, C. Dabbs.....           | 2134 Clark avenue.               |
| Carr, George A.....          | 1908 Wash street.                |
| Carson, James O.....         | 2821 Locust street.              |
| Cartter, William S.....      | 3101 Pine street.                |
| Chamberlain, Thomas S.....   | Middleway, Va.                   |
| Chamberlain, Eliot H.....    | 1819 Washington avenue.          |
| Cobb, Addison M.....         | 1520 Pine street.                |
| Conn, Joseph H, jr.....      | 17 South Sixteenth street.       |
| Filley, Wm. Joseph.....      | 1527 Lucas Place.                |
| Filley, Augustus.....        | 1614 Olive street.               |
| Freligh, Louis H. jr.....    | 1436 Francis street.             |
| Gibson, Charles B.....       | 2922 Olive street.               |
| Givens, Harry W.....         | 2909 Morgan street.              |
| Green, Thomas T.....         | 901 Pine street.                 |
| Groshon, Maurice.....        | Webster, Mo.                     |
| Grote, August C.....         | 1115 Webster street.             |
| Heermans, Henry P.....       | 1827 Washington avenue.          |
| Helfenstein, Philip, jr..... | Webster, Mo.                     |
| Hirschberg, Louis, jr.....   | 1308 Olive street.               |
| Jackson, George R.....       | 1500 Pine street.                |
| Kaime, George James.....     | Grand avenue.                    |
| Kaime, Benj. E.....          | Grand avenue near Morgan st.     |
| Killpatrick, Robert J.....   | 1800 2d Carondelet avenue.       |
| Lacy, Charles S.....         | Manchester, Mo.                  |
| Lacy, Fernandez E.....       | Manchester, Mo.                  |
| Leathe, Samuel.....          | 2700 Lucas avenue.               |
| Leigh, Herbert.....          | 3214 Sheridan avenue.            |
| Malin, John H.....           | Laclede Hotel.                   |
| Mallinckrodt, Emil.....      | Central Township, Mo.            |

## NAME.

## RESIDENCE.

|                               |                                 |
|-------------------------------|---------------------------------|
| McHatton, Charles G.....      | 1602 Olive street,              |
| McLaran, Percy B.....         | 1628 Lucas Place.               |
| Mason, Charles B.....         | 1208 Chambers street.           |
| Nichols, Robert.....          | Des Peres, Mo.                  |
| Nulsen, Max August.....       | cor. Lafayette & Missouri av.   |
| O'Fallon, Clarence C.....     | 2208 Locust street.             |
| Owen, John C.....             | Brotherton, Mo.                 |
| Page, Lewis.....              | 2108 Broadway.                  |
| Pallen, Conde Benoist.....    | 1525 Olive street.              |
| Papin, George.....            | Webster, Mo.                    |
| Parks, Everett R.....         | Summit av. bet. Chouteau & Park |
| Peck, John A.....             | 3607 Vandeventer Place.         |
| Perkins, Nathan W. jr.....    | 1503 Chesnut st.                |
| Rea, George Thomas.....       | 2707 Mills street.              |
| Shields, William.....         | 2313 Walnut street.             |
| Switzer, Robert J.....        | 1728 Washington avenue.         |
| Torlina, George Ed.....       | 1436 Morgan street.             |
| Utterback, Charles.....       | 3024 Morgan street.             |
| Westerman, William H.....     | 1926 Carr street.               |
| Whitney, Fred. C.....         | 1428 Olive street.              |
| Wisemann, Oliver F.....       | 3531 Chesnut street.            |
| Willis, Charles Frederic..... | 1621 Washington avenue.         |
| Wyman, Arthur.....            | 3637 Lindell avenue.            |
| Total, 59.                    |                                 |

## FIFTH CLASS.

## NAME.

## RESIDENCE.

|                             |                          |
|-----------------------------|--------------------------|
| Adams, Frank J.....         | 1550 Gratiot street.     |
| Adams, Frank Edward.....    | 1527 Pine street.        |
| Beakey, Edward James.....   | 1508 Washington avenue.  |
| Block, Robt. C.....         | Aberdeen, Mo.            |
| Branch, Joseph C.....       | 3803 Bellefontaine road. |
| Bremmermann, Robt. R. G.... | 1016 North 17th street.  |
| Bryan, P. Taylor.....       | 1405 Pine street.        |
| Cavender, James S.....      | Benton Place.            |

| NAME.                         | RESIDENCE.                      |
|-------------------------------|---------------------------------|
| Christy, John K.....          | 3536 Morgan street.             |
| Cline, George W., Jr.....     | 840 South 8th street.           |
| Collins, Thomas Richeson..... | 2119 Eugenia street.            |
| Finch, Lewis Montrose.....    | 2405 North 12th street.         |
| Finney, William .....         | 2344 Olive street.              |
| Fishback, George W., Jr.....  | Kirkwood, Mo.                   |
| Frederic, William C.....      | 2112 Bell avenue.               |
| Frankel, Henry.....           | 2018 Morgan street.             |
| Gazzam, Joseph Parker.....    | 2810 Pine street.               |
| Gildehaus, Henry Wm.....      | 1910 Gratiot street.            |
| Gregg, Wm., Jr.....           | 2639 Pine street.               |
| Higgins, Irwin W.....         | 2704 Locust street.             |
| Higgins, William .....        | Maramec, Mo.                    |
| Holloway, Frank W.....        | Manchester, Mo.                 |
| Houston, Frank M.....         | 2913 Morgan street.             |
| Hunicke, August.....          | 922 Winter street.              |
| Kennett, Kenneth Wilson.....  | 1701 Washington avenue.         |
| Kinear, Hamilton E.....       | 3104 Locust street.             |
| McKittrick, Adam McM.....     | 1628 Pine street.               |
| Obear, Thomas S.....          | Grand avenue.                   |
| Orr, William N.....           | Lafayette avenue.               |
| Riggin, George .....          | Laclede Hotel.                  |
| Rumbold, Frank M.....         | 1205 Washington avenue.         |
| Schemmer, Henry.....          | 1011 Franklin avenue.           |
| Scudder, William, Jr.....     | St. Louis Township.             |
| Shapleigh, Alfred-Lee.....    | 1229 Washington avenue.         |
| Smith, Frank G.....           | 3411 Washington avenue.         |
| Starkweather, Oakley B.....   | Lafayette av. bet. May & Thomas |
| Talmage, Charles H.....       | 2223 Lafayette avenue.          |
| Vane, Clarence R.....         | 2918 Lucas avenue.              |
| Wakefield, Loren A.....       | Laclede Hotel.                  |
| Westerman, Alfred O.....      | 1926 Carr street.               |
| Whitelaw, Charles W.....      | Southern Hotel.                 |
| Willis, Charles L.....        | 413 North 8th street.           |
| Withington, Arthur W....      | St. James Hotel.                |

Total, 43.

## FIRST PREPARATORY SCIENTIFIC CLASS.

| NAME.                          | RESIDENCE.                   |
|--------------------------------|------------------------------|
| Bartholow, Rolla.....          | 3144 Locust street.          |
| Block, George M.....           | Aberdeen, Mo.                |
| Blow, John G.....              | Carondelet.                  |
| Burnett, Henry L.....          | Roseneath, Mo.               |
| Hermann, Edward.....           | Cherokee street & Penn. ave. |
| Lewis, Turner.....             | 3014 Morgan street.          |
| Olshausen, Arthur, Jr.....     | 916 Hickory street.          |
| Platt, George H.....           | 1623 Carr street.            |
| Ripley, George W.....          | Belleville, Ills.            |
| Stannard, Joseph H.....        | Ninth street & Penrose ave.  |
| Sylvester, Richard H., Jr..... | 2310 Carr street.            |
| Total, 11.                     |                              |

## SECOND PREPARATORY SCIENTIFIC CLASS.

| NAME.                       | RESIDENCE.                  |
|-----------------------------|-----------------------------|
| Ames, Henry.....            | 1512 Lucas Place.           |
| Dickson, Herbert E.....     | 1502 Pine street.           |
| Duncan, Henry.....          | 1512 Olive street.          |
| Forster, Marquard, jr.....  | 809 South Sixth street.     |
| Knabb, Marshall.....        | Belleville, Ills.           |
| McCreery, Wm. Hynes.....    | 2601 Pine street.           |
| Mitchell, Webster L.....    | 2814 Pine street.           |
| Montgomery, Robt. Alex..... | 1316 Olive street.          |
| Newington, Harry M.....     | 101 South Fifteenth street. |
| Rutz, Emil.....             | Belleville, Ills.           |
| Tilden, Charles.....        | 2909 Lucas avenue.          |
| Total, 11.                  |                             |

## COMMERCIAL CLASS.

| NAME.                     | RESIDENCE.         |
|---------------------------|--------------------|
| Betts, George D.....      | 1407 Olive street. |
| Brandenburger, Peter..... | Belleville, Ill.   |
| Burr, Edward F.....       | Kirkwood, Mo.      |

| NAME.                          | RESIDENCE.                    |
|--------------------------------|-------------------------------|
| Carr, N. Paschall.....         | 2735 Chesnut street.          |
| Carter, James S.....           | St. Louis Township.           |
| Condee, Charles H.....         | 2008 Chesnut street.          |
| Creveling, Wm. Clement.....    | 1425 Lucas Place.             |
| Heermans, Wm. Ewing.....       | 1827 Washington avenue.       |
| Hill, Wm. Sargent.....         | St. Louis Township.           |
| Hurd, George W.....            | Arkansas avenue and Susan st. |
| Liggett, Hiram Shaw.....       | 2921 Locust street.           |
| McLain, John S.....            | Paola, Kansas.                |
| McNeil, Robert Paul.....       | 1806 Carr street.             |
| Peck, William H.....           | 3607 Vandeventer Place.       |
| Porre, Carroll Fleming.....    | 1120 Olive street.            |
| Price, Edwin T.....            | Bellefontaine road.           |
| Schnaider, Joseph.....         | 2141 Chouteau avenue.         |
| Scollay, Harry.....            | 1326 Olive street.            |
| Smithers, Mellville Libby..... | 207 South Fifteenth street.   |
| Waters, Frank Alexander.....   | 1603 Chesnut street.          |
| Total, 20.                     |                               |

## FIRST PREPARATORY CLASS.

| NAME.                        | RESIDENCE.              |
|------------------------------|-------------------------|
| Block, William N.....        | 2702 Locust street.     |
| Bouyon, Edward P. C.....     | Grand avenue.           |
| Glasgow, Julius K.....       | 1510 Washington avenue. |
| Mack, George A.....          | 921 North 23d street.   |
| McLaran, Robt. L.....        | 1628 Lucas Place.       |
| Mitchell, Samuel J., Jr..... | 2036 Wash street.       |
| Renick, Guy G.....           | 924 Chouteau avenue.    |
| Rose, Louis.....             | 2937 Hickory street.    |
| Samuel, Edward M.....        | 2341 Chestnut street.   |
| Sandfelder, Elias K.....     | 2717 Clark avenue.      |
| Simon, Charles Fitzhugh..... | 2810 Locust street.     |
| Stanard, William K.....      | 1417 Chouteau avenue.   |
| Stone, Cola E.....           | 1017 North 16th street. |
| Stueck, Fred. Wm.....        | St. Louis Township.     |
| Talmage, Harry A.....        | 2223 Lafayette avenue.  |
| Taylor, George R., Jr.....   | 1804 Lucas Place.       |
| Total, 16.                   |                         |

## SECOND PREPARATORY CLASS.

| NAME.                       | RESIDENCE.              |
|-----------------------------|-------------------------|
| Anderson, James W.....      | 104 South 15th street.  |
| Baker, Jesse G.....         | 1208 Washington avenue. |
| Baker, Charles K. J.....    | 1833 Wash street.       |
| Bouyon, Albert L.....       | Grand avenue.           |
| Bremmermann, Charles M..... | 1016 North 16th street. |
| Capen, Samuel D.....        | 1520 Olive street.      |
| Conn, Lewis L.....          | 17 South 16th Street.   |
| Dearborn, Samuel S.....     | 732 Park Place.         |
| Garman, John H. A.....      | Park Hotel.             |
| Gordon, Robert C.....       | 3212 Olive Street.      |
| Grindon, Arthur T.....      | 2311 Market Street.     |
| Harrington, Henry W.....    | 2834 Franklin avenue.   |
| Hummel, Joseph.....         | Freeburg, Ill.          |
| Jacobs, Michaelis E.....    | 3142 Locust street.     |
| January, Derrick A.....     | 1137 Washington avenue. |
| Klein, John.....            | Freeburg, Ill.          |
| Lindell, Albert.....        | St. Louis Township.     |
| Logan, Floyd T.....         | 3627 Olive street.      |
| Mantz, Henry.....           | 2121 Walnut street.     |
| McKittrick, George H.....   | 1628 Pine street.       |
| McNeil, William E.....      | 1806 Carr street.       |
| Offutt, Marshall M.....     | 2808 Lafayette avenue.  |
| Ogden, Richard J.....       | 2620 Thomas street.     |
| Pegram, Frank R.....        | 1321 Chouteau avenue.   |
| Perry, Richard E.....       | 719 Garrison avenue.    |
| Petring, George H.....      | 1709 Wash street.       |
| Stifel, Herman C.....       | 966 Chouteau avenue.    |
| Thompson, John J.....       | 3508 Olive street.      |
| Turner, Wilson P. H.....    | 1706 Lucas Place.       |

Total, 29.

## PRIMARY CLASS.

| NAME                | RESIDENCE.                   |
|---------------------|------------------------------|
| Ames, Henry S.....  | 1615 Lucas Place.            |
| Bain, George G..... | 1410 Lasalle street.         |
| Baker, Levin H..... | 500 North Thirteenth street. |

| NAME.                       | RESIDENCE.                     |
|-----------------------------|--------------------------------|
| Bartholow, Russell N.....   | 3144 Locust street.            |
| Bogy, Lewis V. jr.....      | 1610 Lucas Place.              |
| Brown, William.....         | 1917 Biddle street.            |
| Buckland, Thomas A. jr..... | 1505 Chesnut street.           |
| Cavender, Edward R.....     | Benton Place.                  |
| Clemens, James.....         | Twentieth street and Cass ave. |
| Coan, Charles V. H.....     | 709 North Seventeenth street.  |
| Cundall, Walter A.....      | 1919 Biddle street.            |
| Dent, William B.....        | 3407 Washington avenue.        |
| Eaton, George P.....        | 1621 Olive street.             |
| Filley, Victor G.....       | 1527 Lucas Place.              |
| Fitch, Dabney Carr.....     | 2339 Chesnut street.           |
| Gordon, Lindell.....        | 3212 Olive street.             |
| Grinden, Alfred J.....      | 2311 Market street.            |
| Hodges, Abel B. W.....      | 2115 Walnut street.            |
| Jacobs, Morris.....         | 3142 Locust street.            |
| Johnson, William L.....     | 921 Pine street.               |
| Kaime, William W.....       | Grand avenue.                  |
| Klyman, Charles.....        | 3031 Washington avenue.        |
| Knight, Newell Clark.....   | 2628 Pine street.              |
| Knicht, Harry F.....        | " "                            |
| Knight, Eugene C.....       | " "                            |
| Leffman, Julius H.....      | 913 North Market street.       |
| Leighton, George B.....     | Glendale, Mo.                  |
| Lewis, Augustus G.....      | 2909 Franklin avenue.          |
| Malmene, Waldemar.....      | 1635 Washington avenue.        |
| McKinley, Charles Pope..... | 2620 Olive street.             |
| McKittrick, Thomas.....     | 1119 Washington avenue.        |
| McLaran, James O.....       | 1628 Lucas Place.              |
| Murdock, Jno. J., Jr.....   | Laclede Station, P. R. R.      |
| O'Fallon, Frank M.....      | Lucas avenue.                  |
| Richards, Eben, 3d.....     | 1803 Washington avenue.        |
| Roos, William E.....        | 1021 South Twelfth street.     |
| Rose, Henry.....            | 2937 Hickory street.           |
| Russell, Daniel R.....      | 1906 Wash street.              |
| Samuel, Wm. Russell.....    | 2341 Chestnut street.          |
| Smith, Irwin Z., Jr.....    | 2702 Olive street.             |
| Smith, Baron Proctor.....   | Carondelet.                    |

| NAME.                          | RESIDENCE.                   |
|--------------------------------|------------------------------|
| Storer, Frank D.....           | 3015 Locust street.          |
| Swift, Roswell B.....          | 125 South Fourteenth street. |
| Taylor, Walter U.....          | 1804 Lucas Place.            |
| Tilden, Grant.....             | 2909 Lucas avenue.           |
| Van Studdiford, Charles D..... | 1623 Olive street.           |
| Von Schrader, George.....      | 1315 Garrison avenue.        |
| Walker, Benjamin.....          | 1629 Chesnut street.         |
| Wall, Nicholas Roe.....        | 3139 Lucas avenue.           |
| Weisemann, Arthur A.....       | 3531 Chestnut street.        |
| Wood, Walter.....              | 1913 North Twelfth street.   |
| Wyman, Edward.....             | 3539 Lindell avenue.         |
| Total, 52.                     |                              |

### ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic Department of the University.

## ACADEMIC COURSE OF STUDY.

## FOURTH CLASS.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*Geography.*—Warren's Common School.

*History.*—Anderson's.

*English Grammar.*—Green's Introductory.

*Latin.*—Harkness's Introductory Latin Book.

*Reading, Writing and Spelling; Composition.*

## THIRD CLASS.

## FIRST TERM.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*Latin.*—Harkness's Introductory Latin Book.

*English Grammar.*—Parsing and Analysis.

*Reading, Writing and Spelling; Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Walton's Higher Arithmetic.

*Grammar.*—Parsing and Analysis.

*Latin.*—Harkness's Latin Reader.

*Reading, Writing and Spelling; Composition and Declamation.*

## SECOND CLASS.

## FIRST TERM.

*Geography.*—Warren's Physical Geography.

*Latin.*—Harkness's Cæsar.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## SECOND TERM.

- Mathematics.*—Walton's Higher Arithmetic.  
*Latin.*—Harkness's Cæsar.  
*Greek.*—Harkness's First Greek Book.  
*Writing and Spelling; Composition and Declamation.*

## FIRST CLASS.

## FIRST TERM.

- Physiology.*—Hitchcock's.  
*Latin.*—Harkness's Cæsar.  
*Greek.*—Harkness's First Greek Book; Felton's Greek Reader.  
*History.*—White's Landmarks of English History.  
*German.*—Otto's German Grammar.  
*Composition and Declamation.*

## SECOND TERM.

- Mathematics.*—Greenleaf's Algebra.  
*Latin.*—Æneid of Virgil.  
*Greek.*—Felton's Greek Reader.  
*History.*—White's Landmarks of English History.  
*German.*—Comfort's German Reader.  
*Composition and Declamation.*

## ADVANCED CLASS.

## FIRST TERM.

- Latin.*—Æneid of Virgil.  
*Greek.*—Felton's Greek Reader; Greek Composition.  
*Mathematics.*—Greenleaf's Algebra.  
*German.*—Marie Stuart.  
*Composition and Declamation.*

## SECOND TERM.

- Latin.*—Cicero's Orations; Latin Prose Composition.  
*Greek.*—Anabasis; Greek Prose Composition.  
*Mathematics.*—Chauvenet's Geometry, three books.  
*German.*—William Tell.  
*Ancient History.*  
*Composition and Declamation.*

## PREPARATORY SCIENTIFIC CLASS.

## FIRST TERM.

*Algebra*.—Greenleaf's Elementary.

*Physiology*.—Hitchcock's.

*German*.—Otto's Grammar; Comfort's German Reader.

*History*.—Anderson's.

*Composition and Declamation*.

*Drawing*.

## SECOND TERM.

*Algebra*.—Greenleaf's Elementary, through Quadratics.

*Geometry*.—Chauvenet's, three books.

*Philosophy*.—Wells'.

*History*.—White's Landmarks.

*German*.—William Tell.

*Drawing*.

*Composition and Declamation*.

## COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of this Department.

## EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, a public examination will be held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

## MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                  |         |
|--------------------------------------------------|---------|
| Primary Class, per term of 20 weeks.....         | \$25 00 |
| Preparatory " " " .....                          | 30 00   |
| Fourth " " " .....                               | 35 00   |
| Third " " " . . . . .                            | 37 50   |
| Second " " " .....                               | 40 00   |
| First " " " .....                                | 42 00   |
| Advanced " " " .....                             | 45 00   |
| Commercial " " " .....                           | 50 00   |
| Preparatory Scientific, per term of 20 weeks.... | 50 00.  |

These rates are for the current year only.

No *extra charge of any kind will be made*, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

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## II.—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles away from home, for four or five of the most critical years of her life, to be trained by strangers.

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the college and the Polytechnic Department of the University.

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### BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,  
HUDSON E. BRIDGE,  
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HENRY HITCHCOCK,  
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## FACULTY.

---

WM. G. ELIOT, D.D., *Chancellor.*

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Miss ANNIE WALL.

Miss EMILY P. PETTES.

Mrs. CHARLOTTE ELIOT.

Miss MARY E. STRATTON.

Miss ANNA FLINTHAM.

MADAME LOUISE GRANDJEAN.

Miss HENRIETTE MARIA NOA.

Mrs. KATE JONES BRAINERD.

Miss SARAH M. MILLS.

## STUDENTS.

## SENIOR ADVANCED CLASS.

| NAME.                 | RESIDENCE.           |
|-----------------------|----------------------|
| Desloge, Clara.....   | Benton Place.        |
| Desloge, Sophie.....  | " "                  |
| Desloge, Zoe.....     | " "                  |
| Parsons, Julie E..... | 1211 Washington av.  |
| Runyan, Nannie A..... | 2725 Chesnut street. |
| Total, 5.             |                      |

## JUNIOR ADVANCED CLASS.

|                        |                   |
|------------------------|-------------------|
| Haseltine, Nellie..... | 2731 Pine street. |
| Johnson, Emilie D..... | 921 Pine street.  |
| Wyman, Florence.....   | Lindell av.       |
| Total, 3.              |                   |

## FIRST ACADEMIC CLASS.

|                          |                          |
|--------------------------|--------------------------|
| Allen, Annie L.....      | 1414 Lucas Place.        |
| Ballenger, Emma S.....   | 2706 Dayton street.      |
| Breed, Hermione.....     | 2720 Washington avenue.  |
| Bridge, Mary.....        | Glendale.                |
| Broadhead, Minnie W..... | Lafayette av.            |
| Clark, Anna M.....       | 2653 Washington avenue.  |
| Clark, Ellen C.....      | Fort Scott, Kansas.      |
| Davis, Mary E.....       | 2219 Olive street.       |
| Dunnica, Sadie.....      | 1307 Pine street.        |
| Hayward, Florence.....   | 1220 Pine street.        |
| Horton, Carrie B.....    | Lindell, above Grand av. |
| Kellogg, E. Louise.....  | 1233 Washington av.      |
| McCreery, Mary J.....    | 2601 Pine street.        |
| McLaran, Fannie.....     | 1628 Lucas Place.        |
| Scollay, Josephine.....  | 3030 Washington av.      |
| Shepley, Julia.....      | 1518 Washington av.      |
| Simon, Lizzie H.....     | 2810 Locust street.      |
| Wilson, Rachel P.....    | 2136 Clark av.           |
| Total, 18.               |                          |

## SECOND ACADEMIC CLASS

| NAME.                       | RESIDENCE.                       |
|-----------------------------|----------------------------------|
| Dickson, Lottie A.....      | 1516 Walnut street.              |
| Jones, Emily B.....         | 1119 Jackson Place.              |
| Hickman, Mary M.....        | 1818 Gratiot street.             |
| Holman, Mary E.....         | Page av., bet. Spring & Prairie. |
| Kennett, Violet.....        | 1504 Washington avenue.          |
| Kribben, Edith W.....       | 923 Amelia avenue.               |
| Lionberger, Maggie C.....   | 1610 Olive street.               |
| Miller, Katie.....          | 3423 Washington avenue.          |
| More, May C.....            | 3113 Washington avenue.          |
| Pegram, Minnie S.....       | 1321 Chouteau avenue.            |
| Pfouts, Mary.....           | 3412 Morgan street.              |
| Pulsifer, Nellie E.....     | Kennett Place.                   |
| Scott, Hebe.....            | Miami, Mo.                       |
| Shackelford, Genevieve..... | 1506 Washington avenue.          |
| Triplett, Mary W.....       | 1631 Chestnut street.            |
| Valle, Jessie A.....        | 2710 Washington avenue.          |
| Warren, Mary C.....         | 3213 Locust street.              |

Total, 17.

## THIRD ACADEMIC CLASS.

|                             |                          |
|-----------------------------|--------------------------|
| Block, Lucretia M.....      | 2637 Pine street.        |
| Bremermann, Helen A.....    | 928 Winter street.       |
| Brooks, Josie C.....        | 1216 Pine street.        |
| Carrington, Florence B..... | 3609 North Ninth street. |
| Chrystie, Lucie.....        | 1526 Olive street.       |
| Espenchied, Louise.....     | 813 Hempstead street.    |
| Farrar, Agnes K.....        | 1316 Washington street.  |
| Glasgow, Sarah L.....       | 3016 Glasgow Place.      |
| Grubb, Alice N.....         | Kirkwood.                |
| Jennings, Clara G.....      | 1513 Chesnut street.     |
| Jewett, Mary.....           | 2918 Morgan street.      |
| Johnson, E. Estelle.....    | 2817 Gamble street.      |
| Liggett, D. Lois.....       | 2921 Locust street.      |
| Page, Katie R.....          | 2307 Olive street.       |
| Pettes, Nellie G.....       | 2812 Locust street.      |
| Pollock, Nora.....          | 1103 Valle avenue.       |
| Powell, Lennie.....         | 2712 Lucas avenue.       |
| Schuyler, Nellie G.....     | 2820 Locust street.      |

| NAME.                        | RESIDENCE.              |
|------------------------------|-------------------------|
| Sellar, Marie E. A.....      | 1326 Olive street.      |
| Sparr, Amie D.....           | 1811 Wash street.       |
| Stillwell, Sallie H. ....    | 2700 Olive street.      |
| Thornburgh, Sallie L. F..... | 3538 Washington avenue. |
| Van Studdiford, Maggie.....  | 1623 Olive street.      |
| Whitely, Evelyn A .....      | 1505 Spruce st.         |
| Total, 24.                   |                         |

## FOURTH ACADEMIC CLASS.

|                             |                             |
|-----------------------------|-----------------------------|
| Alleyne, Arabella D.....    | 1903 Carr street.           |
| Bain, C. Louise.....        | 1410 Lasalle street.        |
| Beattie, Annie.....         | 2007 Eugenia street.        |
| Bent, Mary L.....           | 717 Garrison avenue.        |
| Chase, Ida W.....           | Grand avenue.               |
| Clairborne, Nattie C.....   | 1925 Olive street.          |
| Clapp, Lillie F.....        | 1527 Lucas Place.           |
| Clark, Lizzie P.....        | 1530 Washington avenue.     |
| Colcord, Fannie C.....      | 2800 Morgan street.         |
| Cundall, Fanny .....        | 1919 Biddle street.         |
| Dodd, Mary L.....           | 1705 Washington avenue.     |
| Dunnica, Dora S.....        | 1307 Pine street.           |
| Fell, Ida B.....            | 2907 Laclede avenue.        |
| Fogg, Mary L .....          | 113 South Sixteenth street. |
| Gage, Fannie S.....         | 1114 Madison street.        |
| Gardner, S. Dellie.....     | 3007 Locust street.         |
| Hargadine, Julia .....      | 1416 Washington avenue.     |
| Jackson, Annie M.....       | 1500 Pine street.           |
| Keys, Nannie R.....         | 2614 Olive street.          |
| Libby, Cora .....           | 2628 Washington avenue.     |
| Lionberger, Mary A.....     | 1601 Olive street.          |
| Metcalf, Grace .....        | 3726 Bellefontaine road.    |
| Miltnerberger, Katie P..... | 1207 Chouteau avenue.       |
| Orr, Katie M.....           | Compton Hill.               |
| Richards, Grace.....        | 1803 Washington avenue.     |
| Runyan, Mary D.....         | 2725 Chesnut street.        |
| Sylvester, Nellie L.....    | 2305 Walnut street.         |
| Talmage, Nellie E.....      | 2223 Lafayette avenue.      |
| Walker, Ella.....           | 1226 Washington avenue.     |
| Total, 29.                  |                             |

## FIFTH ACADEMIC CLASS.

| NAME.                        | RESIDENCE.                       |
|------------------------------|----------------------------------|
| Bartlett, Hannah T.....      | Godfrey, Ill.                    |
| Brown, Susie F.....          | 214 Emily avenue.                |
| Chase, Fannie E.....         | 1206 Washington avenue.          |
| Colby, Mabel C.....          | 2230 Clark avenue.               |
| Cooper, Grace Susan.....     | 1117 Chesnut street.             |
| Day, Anna C.....             | 2737 Locust street.              |
| Dedman, M. Allien.....       | Webster.                         |
| Dryden, Mary C.....          | cor. California ave. & Miami st. |
| Finch, Julia B.....          | 2405 North Twelfth street.       |
| Fry, Carrie B .....          | 1216 Munroe street.              |
| Gregg, Clara J.....          | 2639 Pine street.                |
| Harrison, Brianna L....      | 2821 Morgan street.              |
| Hemple, Annie C.....         | 2703 Lucas avenue.               |
| Holland, Mary M.....         | S. E. cor. 23d st. and Lucas Pl. |
| Hotchkiss, Mary M.....       | Florissant avenue.               |
| Lackland, Daisy.....         | 1623 Lucas Place.                |
| Lightner, Mary E.....        | 1637 Washington avenue.          |
| Lowe, Edwina D.....          | 923 Locust street.               |
| McLaran, Ella F.....         | 1628 Lucas Place.                |
| Moulton, Mellona J.....      | 2614 North 9th street.           |
| Peckham, Minnie L.....       | 2913 Easton avenue.              |
| Pollard, Ida M.....          | 1423 Pine street.                |
| Pullis, Clara C.....         | Webster.                         |
| Quinette, Lizzie Louisa..... | Papin avenue, Cote Brillante.    |
| Reed, Addie P.....           | 1703 Olive street.               |
| Scott, Lulu Q.....           | 3018 Lucas street.               |
| Simon, May R....             | 2810 Locust street.              |
| Sproule, Annie J.....        | 2212 Olive street.               |
| Stillwell, Marie B.....      | 1700 Chesnut street.             |
| Thornburgh, Jennie R.....    | Cor. Washington and Grand avs.   |
| Tower, Nellie P.....         | Grand av. bet. Lafayette & Park. |
| Valle, Julia.....            | 1516 Lucas Place.                |
| Wall, Lulu B.....            | 3139 Lucas avenue.               |
| Wickham, Fanny G.....        | 1712 Lucas Place.                |

Total, 34.

## FIRST PREPARATORY CLASS.

| NAME,                     | RESIDENCE.                   |
|---------------------------|------------------------------|
| Baker, Lucy K.....        | 500 North Thirteenth street. |
| Barclay, Lucy E.....      | 1201 Dillon street.          |
| Barret, Martha M.....     | 2930 Locust street.          |
| Bent, Lucy R.....         | 717 Garrison avenue.         |
| Block, Juliet L.....      | 2702 Locust street.          |
| Chauvin, Lucille M.....   | 1308 Olive street.           |
| Colman, Laura K.....      | Olive Street Road.           |
| Eisenstadt, Jennie.....   | 3142 Locust street.          |
| Hayward, Fanita.....      | 1220 Pine street.            |
| January, Laura H.....     | 1302 Washington avenue.      |
| Keiler, Elizabeth E.....  | 1131 Washington avenue.      |
| McPheeters, Sallie G..... | 1000 Olive street.           |
| O'Fallon, Ruth C.....     | 2208 Locust street.          |
| Powell, Edith.....        | 2712 Lucas avenue.           |
| Reed, Lizzie Leslie.....  | 1318 Washington avenue.      |
| Rutherford, Lucile Q..... | 2808 Locust street.          |
| Schrader, Julie von.....  | 1315 Garrison avenue.        |
| Senter, Hattie C.....     | 2737 Lucas avenue.           |
| Sparr, Fannie.....        | 1811 Wash street.            |
| Speck, Ella I. F.....     | 1206 Morrison avenue.        |
| Switzer, Eugenia.....     | 1725 Washington avenue.      |
| Vallé, Ida.....           | 1516 Lucas Place.            |
| Whitman, Hattie.....      | 3012 Lucas avenue.           |

Total 23.

## SECOND PREPARATORY CLASS.

|                          |                            |
|--------------------------|----------------------------|
| Ames, Ada Semple.....    | 1615 Lucas Place.          |
| Bartlett, Abbie T.....   | 2312 Eugenia street.       |
| Campbell, Cora E.....    | 2918 Washington av.        |
| Carson, Carrie S.....    | 2821 Locust street.        |
| Cooper, May G.....       | 1117 Chestnut street.      |
| Field, Lillie C.....     | 3137 Franklin avenue.      |
| Filley, Anna K.....      | 1614 Olive street.         |
| Finch, Alice L.....      | 2405 North Twelfth street. |
| Greene, Julia M.....     | 19 South Fifteenth street. |
| Hargadine, Mary McC..... | 1416 Washington avenue.    |

## NAME.

## RESIDENCE.

|                            |                                  |
|----------------------------|----------------------------------|
| Harris, Soudie.....        | 1527 Olive street.               |
| Holman, Lucy E.....        | Page av., bet. Spring & Prairie. |
| Horton, Katie M.....       | Lindell avenue.                  |
| Howard, Katie.....         | 2700 Locust street.              |
| Jouett, Mary L.....        | 1424 Olive street.               |
| Kimbrough, Katie E.....    | 2730 Morgan street.              |
| Lewis, Sallie.....         | 3014 Morgan street.              |
| Liggett, Cora B....        | 2921 Locust street. [venter.     |
| McPherson, Sophie E.....   | Washington av. west of Vande-    |
| O'Fallon, Rebecca R.....   | 2208 Locust street.              |
| Parks, Alma J.....         | Summit av. south of Chouteau.    |
| Peper, Maggie P.....       | 1522 Morgan Street.              |
| Shepley, Mary L.....       | 1518 Washington avenue.          |
| Sherman, Edith B....       | 2340 Pine street.                |
| Shultz, Mary J.....        | 215 South Sixteenth street.      |
| Smith, Lillie K.....       | Carondelet.                      |
| Snow, Clara.....           | 2700 Olive street.               |
| Turner, Mary Delphine..... | 1706 Lucas Place.                |
| Walker, Alby M.....        | 2920 Pine street.                |
| Walls, Cora.....           | Greenville, Ills.                |
| Wainwright, Katie A.....   | 1121 Morrison avenue.            |
| Whitney, Mary E.....       | 1428 Olive street.               |
| Wight, Alice M.....        | 1926 Wash street.                |
| Woodburn, Ella M.....      | 3024 Belle street.               |

Total, 34.

## THIRD PREPARATORY CLASS.

|                           |                               |
|---------------------------|-------------------------------|
| Baker, Clara Bell.....    | 500 North Thirteenth street.  |
| Bernard, Lucia W.....     | 1122 Ham street.              |
| Berry, Jeannette M.....   | 1405 Olive street.            |
| Blossom, May.....         | 2715 Washington avenue.       |
| Carter, Emma N.....       | 2208 Locust street.           |
| Cooper, Laura B.....      | 1117 Chestnut street.         |
| Eliot, Rose.....          | 2660 Washington avenue.       |
| Gibson, E' abeth R.....   | Cor. Easton & Lafayette aves. |
| Gumer u, Ida B.....       | 2837 Morgan street.           |
| Gur arsell, Louisa B..... | 2837 Morgan street.           |
| James, Laura..c.....      | 1914 Wash street.             |

| NAME.                        | RESIDENCE.                     |
|------------------------------|--------------------------------|
| Hunter, Ellen D.....         | 2929 Pine street.              |
| Jenkins, Alberta.....        | 2640 Olive street.             |
| Louderman, Georgianna C..... | Southern Hotel.                |
| Maurice, Mary A.....         | Park ave. bet. Mo. & Armstrong |
| Plant, Carrie A.....         | 3008 Lucas avenue.             |
| Richards, Carrie L.....      | 1803 Washington avenue.        |
| Scott, Carrie C... ..        | 3018 Lucas avenue.             |
| Spinzig, Frances.....        | 1200 South Fifth street.       |
| Triplett, Louisa Stone.....  | 1631 Chestnut street.          |
| Willis, Lillian S.....       | 1621 Washington avenue.        |
| Total, 21.                   |                                |

## FOURTH PREPARATORY CLASS.

|                          |                                 |
|--------------------------|---------------------------------|
| Allen, Alice Maud.....   | 1414 Lucas Place.               |
| Betts, Carrie.....       | 1407 Olive street.              |
| Bridge, Amy.....         | Glendale.                       |
| Copelin, Emma R.....     | Compton Hill.                   |
| Gordon, Lillie.....      | 3212 Olive street.              |
| Johnston, Annie E.....   | Prairie av. bet. Evans & Easton |
| Kaime, Mary L.....       | cor. Grand avenue & Morgan st.  |
| Kennett, Lucy S.....     | 1504 Washington avenue.         |
| McClellan, Lillie A..... | 3428 Morgan street.             |
| McKittrick, Jane E.....  | 1628 Pine street.               |
| Noland, Nellie.....      | 2636 Olive street.              |
| Owen, Addie C.....       | 2647 Washington avenue.         |
| Reber, Maud.....         | 912 Garrison avenue.            |
| Runyan, Ida T.....       | 2725 Chesnut street.            |
| Smith, Hettie W.....     | 1118 St. Ange avenue.           |
| Tennent, Zaidee.....     | 3016 Lucas avenue.              |
| Whitman, Jessie L.....   | 3012 Lucas avenue.              |
| Total, 17.               |                                 |

## PRIMARY CLASS.

|                          |                      |
|--------------------------|----------------------|
| Ames, Mary Semple.....   | 1615 Lucas Place.    |
| Bartlett, Harriet G..... | 2312 Eugenia street. |
| Benton, Katie S.....     | 1604 Lucas Place.    |
| Benton, Lucy B.....      | " "                  |
| Boyd, Lulu C.....        | 2129 Eugenia street. |

## NAME.

## RESIDENCE.

|                             |                               |
|-----------------------------|-------------------------------|
| Broadhead, Nannie D.....    | Lafayette avenue.             |
| Buckland, Mary T.....       | 1505 Chesnut street.          |
| Buckland, Sarah M.....      | “ “                           |
| Capen, Fannie I.....        | 1520 Olive street.            |
| Chamberlain, Harriet E..... | 1819 Washington avenue.       |
| Clark, Virginia L.....      | 1530 Washington avenue.       |
| Cole, Rachel.....           | 1728 Lucas Place.             |
| Corbitt, Sally M.....       | 1812 Wash street.             |
| Dearborn, Elizabeth K.....  | Park Place.                   |
| Harrison, Medora S.....     | 2821 Morgan street.           |
| Hellmers, Florence B.....   | Cor. Grand & Lafayette aves.  |
| January, Mary B.....        | 1137 Washington avenue.       |
| Johnson, Lizzie L.....      | 921 Pine street.              |
| Kaime, Fanny I.....         | Grand av. bet. Bell & Finney. |
| Kayser, Charlotte.....      | 1420 Lucas Place.             |
| Kehlor, Carrie E.....       | 3002 Pine street.             |
| Knapp, Nellie J.....        | 818 Gratiot street.           |
| Lackland, Mary S.....       | 2706 Lucas avenue.            |
| Liggett, Ella D.....        | 2921 Locust street.           |
| Magruder, Mary L.....       | 1600 Lucas Place.             |
| Magruder, Susan L.....      | 1600 Lucas Place.             |
| McLaran, Mary A.....        | 1628 Lucas Place.             |
| McPheeters, Fannie W.....   | 1000 Olive street.            |
| Moore, Bettie W.....        | 2606 Gamble street.           |
| Moore, Cleon D.....         | 1401 Morgan street.           |
| Nicolls, May.....           | 2651 Washington avenue.       |
| O'Fallon, Harriet L.....    | 2208 Locust street.           |
| Patrick, Clara M.....       | 1618 Washington avenue.       |
| Perry, Laura.....           | 719 Garrison avenue.          |
| Pierson, Grace B.....       | 1525 Carr street.             |
| Powell, Emma W.....         | 2712 Lucas avenue.            |
| Price, Lucy R.....          | Shaw's Park.                  |
| Reynolds, Laura Q.....      | 1910 Morgan street.           |
| Richards, Ellen.....        | 2608 Locust street.           |
| Rogers, Mary A.....         | 1220 Olive street.            |
| Russell, Fannie B.....      | 123 South Fourteenth street.  |
| Shepley, Annie.....         | 1518 Washington avenue.       |
| Stottlemeyer, Minnie B..... | 1912 Wash street.             |

| NAME.                    | RESIDENCE.                  |
|--------------------------|-----------------------------|
| Taylor, Agnes R.....     | 1804 Lucas Place.           |
| Taylor, Louisa K.....    | 1804 Lucas Place.           |
| Thornton, Sallie H.....  | 1813 Olive street.          |
| Wickham, Lucy C.....     | 1712 Lucas Place.           |
| Williams, Annie.....     | 2930 Laclede avenue.        |
| Woodson, Julia M.....    | 103 South Sixteenth street. |
| Worthington, Mary L..... | 1225 Elliot avenue.         |
| Wright, Annie M.....     | 2937 Washington avenue.     |
| Wright, Blanche L.....   | 2937 Washington avenue.     |
| Young, Laura W.....      | 1129 Pine street.           |
| Total, 53.               |                             |

## COURSE OF STUDY.

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### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

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### PREPARATORY DEPARTMENT.

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#### FOURTH PREPARATORY CLASS.

##### FIRST TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Warren's Elementary.

*Mathematics.*—Felter's Primary Arithmetic; Federal Money.

*Writing.*—Begun and continued through the course.

*Drawing.*—Begun and continued through the course.

*French.*—Chouquet's First Lessons.

*Vocal Music.*—Begun and continued through the course.

##### SECOND TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate; Blackboard Exercises.

*Mathematics.*—Felter's Intermediate Arithmetic.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## THIRD PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps.

*Mathematics.*—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—As found in History of the United States.

*History.*—Read Berard's United States.

*Mathematics.*—Written Arithmetic; Oral continued.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Text Book, with Drawing Maps on the Black-board.

*History.*—Read Abbott's Cyrus.

*Mathematics.*—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French.*—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Guyot's Intermediate reviewed.

*History.*—Read Abbott's Darius.

*Mathematics.*—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French.*—Chouquet's First Reader; Florian

## FIRST PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*Physiology*.—House I Live in.

*History*.—Anderson's United States; Geography.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

*French*.—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*History*.—Anderson's United States; Geography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

*French*.—Chouquet's First Reader; Florian.

## ACADEMIC DEPARTMENT.

## FIFTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.

*Geography*.—Guyot's Common School.

*History*.—Read Dickens' England.

*Mathematics*.—Oral and Written Arithmetic.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Reading Spelling and Defining.

*Grammar*.—Analysis of Sentences.

*History*.—Dickens' History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Written arithmetic, with written explanations.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

#### FOURTH ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Grammar reviewed.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

##### SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic; Algebra begun.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Solfeggio Singing and Vocalization.

#### THIRD ACADEMIC CLASS.

##### FIRST TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness' Grammar and Reader.

*Physiology*.—Huxley and Youman's.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Music*.—Solfeggio Singing and Vocalization.

*Drawing*.—Study of Dimension, in straight lines, angles, and curves.

## SECOND TERM.

- History*.—Freeman's Outlines, with Geography.  
*Mathematics*.—Algebra; Principles of Arithmetic reviewed, with Problems.  
*Latin*.—Grammar and Reader; Cæsar.  
*Natural History*.—Botany.  
*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.  
*Drawing*.—Study of Form; Sketching.  
*Music*.—Solfeggio Singing and Vocalization.

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 SECOND ACADEMIC CLASS.

## FIRST TERM.

- English Language*.—Shakesperian Reader.  
*Mathematics*.—Geometry.  
*Latin*.—Sallust; Antiquities.  
*Physics*.—Natural Philosophy.  
*Rhetoric*.—Hart's Composition and Rhetoric; English Grammar reviewed.  
*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.  
*Drawing*.—Study of Light and Shade; Sketching simple objects.  
*Music*.—Solfeggio Singing and Thorough Bass.

## SECOND TERM.

- English Language*.—Shakesperian Reader; Trench's Study of Words.  
*Mathematics*.—Geometry.  
*Latin*.—Ovid; Cicero; Mythology.  
*History*.—Review United States.  
*Chemistry*.—Nichol's Abridgment of Eliot & Storer's Elements.  
*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.  
*Drawing*.—Study of Light and Shade from simple objects.  
*Music*.—Solfeggio Singing and Thorough Bass.

## FIRST ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Shakesperian Reader.

*History*.—Student's Hume.

*Belles-Lettres*.—Collier's English Literature.

*Geography*.—Review.

*Astronomy*.—Lockyer's Elementary.

*Latin*.—Æneid continued.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Theory of Perspective; Sketching.

*Music*.—Continued.

## SECOND TERM.

*Latin*.—Odes of Horace.

*Natural Science*.—Tenney's Geology.

*Political Science*.—Townsend's Analysis of the Constitution of the United States.

*Mathematics*.—Arithmetic reviewed.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Practice of Perspective, by sketching objects.

*Music*.—Continued.

## ADVANCED COURSE.

Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

## FIRST YEAR.

## FIRST TERM.

*History*.—Smith's History of Greece.

*English Literature*.—Fowler's English Grammar; Selected Reading; Themes.

*Physical Geography*.—Guyot's Earth and Man.

*Mathematics*.—Trigonometry. \*

*Natural History*.—Agassiz and Gould's Zoölogy.

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Grammar.

*Art*.—Drawing from Nature; Biography of Artists.

## SECOND TERM.

*History*.—History of Rome.

*English Literature*.—Fowler's English Grammar; Selected Reading; Themes.

*Philosophy*.—Logic; Agassiz's Essay on Classification.

*Mathematics*.—Analytical Geometry.\*

*Natural History*.—Agassiz's Methods of Study in Natural History

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Marie Stuart; Goethe's Egmont.

*Physics*.—Ganot's.\*

*Art*.—Drawing; History of Schools of Art.

## SECOND YEAR.

## FIRST TERM.

*History*.—Student's France.

*English Literature*.—Schlegel's Dramatic Art and Literature; Themes.

*Philosophy*.—Hamilton's Metaphysics.

*Political Economy*.

*Chemistry*.—Roscoe's.\*

*Mathematics*.—Mechanics.\*

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

*Physics*.—Ganot's.\*

## SECOND TERM.

*History*.—Stephen's Lectures on the History of France.

*Philosophy*.—Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

*Astronomy*.—White's.

*Mathematics*.—Mechanics.\*

*Physics*.—Study of Correlation of Force.

*French*.—Literature; Conversation.

*Latin*.\*

*German*.—Lessing.

*Vegetable Physiology*.—Study of some Common Cryptogamic Plants; Studies with Microscope.

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

#### TUITION.

|                                               |         |
|-----------------------------------------------|---------|
| Primary Department, per term of 20 weeks..... | \$35 00 |
| Fourth Preparatory Class, " " " " .....       | 40 00   |
| Third " " " " .....                           | 45 00   |
| Second " " " " .....                          | 50 00   |
| First " " " " .....                           | 50 00   |
| Fifth Academic " " " " .....                  | 55 00   |
| Fourth " " " " .....                          | 60 00   |
| Third " " " " .....                           | 70 00   |
| Second " " " " .....                          | 80 00   |
| First " " " " .....                           | 80 00   |
| Advanced " " " " .....                        | 80 00   |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

#### BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

### III.—THE COLLEGE.

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#### FACULTY.

- W. G. ELIOT, D.D., *Chancellor*.  
ABRAM LITTON, M.D.  
TRUMAM M. POST, D.D.  
CALVIN S. PENNELL, A.M.  
SYLVESTER WATERHOUSE, A.M.  
GEORGE B. STONE, A.M.  
CALVIN M. WOODWARD, A.M.  
GEORGE E. JACKSON, A.M.  
MARSHALL S. SNOW, A.M., *Registrar*.  
HENRY POMEROY, A.M.  
WM. EIMBECK, U.S.C.S.  
\*WM. B. POTTER, A.M., E.M.  
DENHAM ARNOLD, A.M.  
FRED. M. CRUNDEN, A.M.,  
RUDOLPH C. ARENDT, PH.D.

## STUDENTS.

## SENIOR CLASS.

| NAME.                        | RESIDENCE.                    |
|------------------------------|-------------------------------|
| Bowman, Ed. Monroe.....      | Alton, Ill.                   |
| Chouteau, Azby Aug.....      | 925 Amelia avenue.            |
| D'Oench, Fred. Ernest.....   | 1113 S. Thirteenth street.    |
| Ewing, Fred. Berthold .....  | California and Miama avenues. |
| Farrar, Luther Kennett.....  | 1316 Washington avenue.       |
| Schuyler, Wm. Ridg.....      | 2820 Locust street.           |
| Stevens, George Lincoln..... | 1611 Washington avenue.       |
| Total, 7.                    |                               |

## JUNIOR CLASS.

|                              |                            |
|------------------------------|----------------------------|
| Conzelman, Wm. Eliot.....    | 2124 Clark avenue.         |
| Coste, Paul Felix.....       | 1536 Papin street.         |
| Glasgow, Allen Cuthbert..... | 3015 Sheridan avenue.      |
| Glasgow, Frank Adams.....    | 3015 Sheridan avenue.      |
| Harlow, Wm. Marston.....     | 2613 North Twelfth street. |
| Total, 5                     |                            |

## SOPHIOMORE CLASS.

|                                |                                   |
|--------------------------------|-----------------------------------|
| Bartlett, George Morey.....    | Templeton, Mass.                  |
| Blewett, Ben.....              | Jennings Station.                 |
| Burlingham, Albert Starr.....  | 2710 Locust street.               |
| Cunningham, James Thomas..     | Park Av., west of Mississippi Av. |
| Eliot, Christopher Rhodes..... | 2660 Washington avenue.           |
| Engler, Edmund Arthur.....     | 1515 Jackson street.              |
| Fisher, Ada Calista.....       | 1010 North Tenth street.          |
| Rychlicki, Mary Josephine....  | King's Highway.                   |
| Sanderson, Albert Erastus....  | Sulphur Springs.                  |
| Total, 9.                      |                                   |

## FRESHMAN CLASS.

| NAME.                        | RESIDENCE.                   |
|------------------------------|------------------------------|
| Aull, Robert, Jr.....        | 1520 Lucas Place.            |
| Berry, John Marshall.....    | Fairview, Mo.                |
| Block, Emanuel Dickey.....   | 295 South Fifteenth street.  |
| Butler, Wm. Morton.....      | 315 S. Twenty-second street. |
| Eisenstadt, Morris.....      | 3142 Locust street.          |
| Eisenstadt, Samuel.....      | 3142 Locust street.          |
| Farrar, Wm. Christy.....     | 2733 Chesnut street.         |
| Gore, Stephen Augustus.....  | 1017 Olive street.           |
| Menges, Edward Ellwood.....  | 2118 Wash street.            |
| Sutcliffe, Edgar Curtis..... | 804 Olive street.            |
| Total, 10.                   |                              |

## STUDENTS NOT CANDIDATES FOR A DEGREE. ,

|                          |                       |
|--------------------------|-----------------------|
| Pomeroy, Grace.....      | Appleton, Wisconsin.  |
| Pomeroy, Henrietta.....  | " "                   |
| Yost, Ephraim Brank..... | Greenville, Kentucky. |
| Total, 3.                |                       |

## ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books :

## LATIN.

Cæsar's Commentaries; the *Æneid* of Virgil, to Book VII.; Cicero's Select Orations, Folsom's or Johnson's edition; Harkness's Grammar, including Prosody; Writing Latin.

## GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

## GERMAN.

Grammar and Reader; William Tell.

## MATHEMATICS.

Walton's Arithmetic; Greenleaf's Algebra; Chauvenet's Geometry, three books.

## GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; Ancient History.

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted.

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## TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, at the close of the summer term in June, and at the commencement of the fall term in September (see calendar); but persons may be examined for advanced standing at any time. Candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter.

Every candidate not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another college, a certificate of dismissal in good standing.

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## COURSE OF STUDY.

The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

All election of studies is subjected to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.

## FRESHMAN CLASS.

## FIRST TERM.

*Latin*.—Lincoln's Livy; Exercises in writing Latin.

*Greek*.—Felton's Greek Historians; Exercises in writing Greek;  
Crosby's or Goodwin's Grammar.

*Elementary Ethics*.

*Mathematics*.—Chauvenet's Geometry.

*History*.—Freeman's Outlines.

*English*.—March's Method of Philological Study.

*German*.—Grammar; Gæthe's Hermann and Dorothea.

*Themes and Declamation*.

## SECOND TERM.

*Latin*.—Horace; Roman Antiquities; Exercises in writing Latin.

*Greek*.—Panegyricus of Isocrates; Homer; Exercises in writing  
Greek.

*Mathematics*.—Higher Algebra.

*History*.—Student's Hume.

*German*.—Schiller's Marie Stuart; Translations from English.

*Themes and Declamation*.

## SOPHOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's Tusculan Disputation; Exercises in writing  
Latin.

*Greek*.—Demosthenes de Corona; Exercises in writing Greek.

*Mathematics.*—Chauvenet's Trigonometry.  
*History.*—Student's Hume.  
*History of English Literature.*—(Lectures.)  
*French.*—Grammar; Reader; Composition.  
*Themes and Declamation.*

## SECOND TERM.

## REQUIRED STUDIES:

*Latin.*—Juvenal; Andria of Terence, and Captivi of Plautus; Exercises in writing Latin.  
*Mathematics.*—Analytical Geometry.  
*Physics.*—Ganot's.  
*History of English Literature.*—(Lectures.)  
*French.*—Grammar; Telemaque; Fables de la Fontaine; Composition.  
*Themes and Declamation.*

## ELECTIVE STUDIES:

*Greek.*—Alcestis of Euripides; Prometheus of Æschylus; Exercises in writing Greek.  
*Anglo-Saxon and Old English.*

## JUNIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Chemistry.*—Roscoe's.  
*History.*—Student's France.  
*Rhetoric.*—Whately's.  
*Modern Languages.*—French or German.  
*Themes; Original Declamations.*

## ELECTIVE STUDIES:

*Latin.*—Tacitus or Quintilian; Exercises in writing Latin.  
*Greek.*—Thucydides; Antigone of Sophocles.  
*Mathematics.*—Analytical Geometry and Calculus.  
*Physics.*—Ganot's.

## SECOND TERM.

## REQUIRED STUDIES:

*Mechanics.*—Statics; Dynamics.  
*Philosophy.*—Atwater's Logic.  
*History.*—Student's France.

*Modern Languages.*—French or German.

*Themes; Original Declamations.*

ELECTIVE STUDIES:

*Mathematics.*—Differential and Integral Calculus.

*Chemistry.*—Continued.

*Ancient Languages.*—Latin; Greek.

*Comparative Philology.*

SENIOR CLASS.

FIRST TERM.

REQUIRED STUDIES:

*Astronomy.*—White's.

*Mineralogy.*—Dana's.

*Philosophy.*—Hamilton's *Metaphysics*; (Recitations and Lectures.)

*English Literature.*—Shaw's *Manual*; Taine; Reading of Shakespeare—(Recitations and Lectures.)

*Modern Languages.*—French; German; Spanish; Italian.

*Themes; Original Declamations.*

ELECTIVE STUDIES:

*Ancient Languages.*—Latin; Greek.

*Practical Chemistry.*

*Comparative Philology.*

SECOND TERM.

REQUIRED STUDIES:

*Geology.*—Dana's.

*Ethics.*—(Recitations and Lectures.)

*Evidences of Natural and Revealed Religion.*

*Political Economy.*—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)

*History.*—Constitutional History of England; U. S. Constitution.—(Recitations and Lectures.)

*Modern Languages.*—French; German; Spanish; Italian.

*Reading of Shakespeare.*

*Themes; Original Declamations.*

ELECTIVE STUDIES;

*Ancient Languages.*—Latin; Greek.

*Practical Chemistry.*

*Comparative Philology.*



## LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

## GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic Department and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises.

## SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College, or the Polytechnic Department. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them by students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by payment of \$5,000, and entitling the holder to all the advantages of all the departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

## DEGREES.

The degree of Bachelor of Arts will be granted to those students who have completed the course; but no diploma will be granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

### VACATIONS.

There will be a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the institution.

### TUITION.

A matriculation fee of five dollars will be charged, payable in advance.

The tuition in this department, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

IV.—O'FALLON POLYTECHNIC INSTITUTE,  
OR  
POLYTECHNIC DEPARTMENT.

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FACULTY.

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W. G. ELIOT, D.D., *Chancellor.*  
ABRAM LITTON, M.D.  
GEORGE B. STONE, A.M.  
CALVIN M. WOODWARD, A.M., *Dean.*  
MARSHALL S. SNOW, A.M.  
HENRY POMEROY, A.M.  
WM. EIMBECK, U.S.C.S.  
WM. B. POTTER, A.M., E.M.  
F. WM. RAEDER, S.B.  
DENHAM ARNOLD, A.M.  
CHARLES A. SMITH, C.E.  
FRED. M. CRUNDEN, A.M.  
R. THOMPSON BOND, A.B.  
R. C. ARENDT, PH.D.  
A. B. COPELAND, *Artist.*  
R. BENECKE, *Instructor in Photography.*

## STUDENTS.

## SENIOR CLASS.

| NAME.                          | RESIDENCE.      | ROOM.                |
|--------------------------------|-----------------|----------------------|
| Bartlett, Winthrop (I)*.....   | St. Louis ..... | 2633 Rutger street.  |
| Douglass, Henry W. (I)....     | St. Louis ..... | 7 S. 16th street.    |
| Holman, Minard L. (I)....      | St. Louis ..... | Page & Spring avs.   |
| Hotchkiss, Frank (I).....      | St. Louis Tp... | 1818 Gratiot street. |
| Jewett, Eliot C., A.B. (I).... | St. Louis.....  | 2918 Morgan st.      |
| Patrick, Wm. F., A.B. (IV)...  | St. Louis.....  | 1618 Washing't'n av  |
|                                |                 | Total, 6.            |

## JUNIOR CLASS.

|                              |                     |                      |
|------------------------------|---------------------|----------------------|
| Brooke, George D. (I).....   | St. Louis.....      | 2701 N. 10th street. |
| Burnet, George, Jr., (I).... | Carondelet Tp..     | Dormitory.           |
| Graham, Frank (IV).....      | St. Louis.....      | 2221 Olive street.   |
| Healey, M. F. (I).....       | St. Louis.....      | 204 Center street.   |
| Holman, John O. (I).....     | St. Louis.....      | Page & Spring avs.   |
| McKee, James D. (I).....     | St. Louis.....      | 214 Mullanphy st.    |
| Minor, Thomas A. (IV)....    | St. Louis.....      | 624 N. Beaumont st   |
| Morse, Charles M. (IV)....   | Kirkwood.....       | Kirkwood.            |
| Raeder, Victor C. (IV)....   | Sta. Barbara, Cal., | Dormitory.           |
|                              |                     | Total, 9.            |

## SOPHOMORE CLASS.

|                       |                |                                     |
|-----------------------|----------------|-------------------------------------|
| Allen, George W.....  | St. Louis..... | 1414 Lucas Place.                   |
| Barron, Samuel A..... | St. Louis..... | 2216 Walnut street.                 |
| Block, Henry W.....   | St. Louis..... | 1632 Warren street.                 |
| Friedman, Jacob.....  | St. Louis..... | 2722 Laclede av.                    |
| Gibson, Victor.....   | St. Louis..... | Lafayette ave. and<br>Easton Place. |

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\* The Roman numerals after the names indicate the Courses of Study pursued by the Student, according to the arrangement on page 63.

| NAME.                 | RESIDENCE.       | ROOM.                                    |
|-----------------------|------------------|------------------------------------------|
| Hawke, William.....   | Neb. City, Neb.. | 2920 Olive street.                       |
| Meister, Herman.....  | St. Louis.....   | Maramec, bet. Min-<br>nesota & Penn. avs |
| Mersman, Fred. C..... | St. Louis.....   | 1016 Chouteau av.                        |
|                       |                  | Total, 8.                                |

## FRESHMAN CLASS.

|                          |                    |                                     |
|--------------------------|--------------------|-------------------------------------|
| Baker, James B.....      | St. Louis .....    | 1208 Washington av                  |
| Defriez, Harry.....      | St. Louis.....     | 1624 Pine street.                   |
| Fabian, Ferdinand J..... | St. Louis.....     | 1417 Park avenue.                   |
| Farrar, John R.....      | St. Louis.....     | 1316 Washington av                  |
| Gibson, Archibald.....   | St. Louis.....     | Lafayette ave. and<br>Easton Place. |
| Hamill, Joseph H.....    | St. Louis.....     | Russell avenue.                     |
| Kellogg, Clinton D.....  | Caledonia, Min..   | 322 N. 14th street.                 |
| Pegram, George H.....    | St. Louis.....     | 1321 Chouteau av.                   |
| Quigley, John B.....     | Carondelet.....    | Carondelet.                         |
| Smith, Edgar T.....      | Greenville, Ill..  | 1609 Olive street.                  |
| Westermann, Edward H.... | Belleville, Ill... | Dormitory.                          |
|                          |                    | Total, 11.                          |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

|                       |                |                                          |
|-----------------------|----------------|------------------------------------------|
| Chauvenet, Louis..... | St. Louis..... | 2703 Lucas avenue.                       |
| Eisenhardt, Otto..... | St. Louis..... | 1018 S. 8th street.                      |
| Meister, Otto.....    | St. Louis..... | Maramec, bet. Min-<br>nesota & Penn. avs |
|                       |                | Total, 3.                                |

## SUMMARY.

|                                           |    |
|-------------------------------------------|----|
| Seniors.....                              | 6  |
| Juniors.....                              | 9  |
| Sophomores.....                           | 8  |
| Freshmen .....                            | 11 |
| Students not candidates for a Degree..... | 3  |
| Total.....                                | 37 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be sixteen years old, and must have received a good common English education. They must, especially, exhibit a thorough acquaintance with Arithmetic, Algebra (through Quadratics), three books of Chauvenet's Geometry (or an equivalent), Physical Geography, Physiology, Elementary Philosophy, German Grammar and Reader, and American and English History. Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see calendar): but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy. (See page 28.)

## COURSES OF STUDY.

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The regular courses of study and instruction in this department extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of the advantages of this department will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded. The courses are five in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either course during the Junior and Senior years, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of *Bachelor of Science*.

Special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

### FRESHMAN CLASS.

#### FIRST TERM.

- Mathematics*.—Geometry (Chauvenet's) completed.  
*Physics*.—(Well's) Natural Philosophy.  
*German*.—Grammar and Reader.  
*History*.—Civil Government; United States Constitution.  
*Free-Hand Drawing*.  
*Mechanical Drawing*.—Construction of Problems, Use of Scales, India Ink, etc., Construction of Plates.  
*English*.—Declamation and Composition; Shakespeare.

#### SECOND TERM.

- Mathematics*.—Algebra (Greenleaf's Higher) finished.  
*Physics*.—(Ganot's), Pneumatics, Heat, Electricity and Magnetism.  
*French*.—Otto's Grammar; Histoire de Charles XII., by Voltaire.  
*Free-Hand Drawing*.  
*Descriptive Geometry*.—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, etc.  
*English*.—Declamation and Composition; Rhetoric.

### SOPHOMORE CLASS.

#### FIRST TERM.

- Mathematics*.—Plane and Spherical Trigonometry (Chauvenet's); Analytic Geometry (Puckle's).  
*Physics*.—(Ganot continued), Acoustics, Optics, and Meteorology.  
*Descriptive Geometry*.—Intersection of Surfaces; Construction of Paper, Zinc, and Plaster Models.  
*Theoretical Chemistry*.—Roscoe's, with Lectures.  
*Free-Hand Drawing*.  
*English*.—Composition and Rhetoric.

## SECOND TERM.

*Mathematics.*—Analytic Geometry continued.

*Surveying.*—Chain and Compass Surveying; Practice in the Field.

*Descriptive Geometry.*—Spherical and Isometric Projections; Shades and Shadows; Perspective.

*Practical Chemistry.*—Qualitative Analysis.

*Mineralogy.*—Dana's Manual.

*Free-Hand Drawing.*—Machinery and Architecture.

*English.*—Composition and Rhetoric.

## I.—COURSE IN CIVIL ENGINEERING.

## JUNIOR CLASS.

## FIRST TERM.

*Mathematics.*—Differential Calculus.

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery.

*Civil Engineering.*—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field; Railway Curves, Turnouts, etc.

*Physics.*—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc., in Plaster.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Drawing.*—Models, Arches, etc.; Shading.

*English.*—Composition; Lectures on Ethics.

## SECOND TERM.

*Mathematics.*—Integral Calculus; Analytic Mechanics.

*Civil Engineering.*—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Frame-work, and Cords of Equilibrium.

*Mechanics.*—(Rankine's) Applied Mechanics.

*Physics.*—Laboratory Practice.

*Drawing.*—Machines, Profiles, Bridges.

*English.*—Descriptions of Actual Engineering Operations.

## SENIOR CLASS.

## FIRST TERM.

*Civil Engineering.*—Rankine's Manual of Civil Engineering, supplemented by lectures following Baker, Bell, Clapeyron and Maxwell; and the use of Graphical Statics.

*Mechanics.*—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.

*Drawing.*—Of Constructions from Actual Measurement.

*Astronomy.*—White's Elements.

*English.*—Descriptions as last Term.

## SECOND TERM.

*Civil Engineering.*—Structures of Wood, Stone and Iron; Designing, and Computing the parts of Bridges, Roofs, &c.

*Mechanics.*—Stress, Cinematics, Principles of Mechanism, Dynamics.

*Drawing.*—Designs of Structures.

*Political Economy.*—Bowen, Rogers, Mill, Carey; (Recitations and Lectures.)

*Practical Astronomy.*—Use of Instruments; Determination of Time, Latitude and Longitude.

*English.*—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

## JUNIOR YEAR.

## FIRST TERM.

*Mathematics.*—Differential Calculus.

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery.

*Machinery.*—Cinematics; Principles of Mechanism.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Physics.*—Laboratory Practice; Practical Stone Cutting; Construction of Arches, &c.

*Drawing.*—Machinery and Models.

*English.*—Composition; Lectures on Ethics.

## SECOND TERM.

- Mathematics*.—Integral Calculus; Analytical Mechanics.  
*Machinery*.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.  
*Mechanics*.—Rankine's Applied Mechanics.  
*Physics*.—Laboratory Practice.  
*Drawing*.—Machine Drawing continued.  
*English*.—Descriptions of Machinery in Actual Use.

## SENIOR YEAR.

## FIRST TERM.

- Machinery*.—Study of different Machines; Strength of Materials.  
*Mechanics*.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)  
*Drawing*.—Of Working Machinery.  
*Astronomy*.—White's Elements.  
*English*.—Descriptions as previous Term

## SECOND TERM.

- Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.  
*Mechanics*.—Theoretic Study of the Prime Movers; Water-wheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.  
*Drawing*.—Designs of Machines.  
*Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)  
*English*.—Graduation Thesis.

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### III.—COURSE IN CHEMISTRY.

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## JUNIOR AND SENIOR YEARS.

*Daily instruction in the Laboratory, including:*

- Qualitative and Quantitative Analysis;  
 Pharmaceutical Preparations for the Laboratory and Apothecary, and the Methods of Determining the Value of Drugs;

Mineral Assays, Metallurgy, Analysis of Soils and Ashes;  
 Examination of Poisons, Uses and Value of Manures;  
 Mineralogy and Geology;  
 The Application of Chemistry to the Arts and Manufactures.

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#### IV.—COURSE IN MINING AND METALLURGY.

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##### JUNIOR YEAR.

*Mathematics*.—Differential and Integral Calculus.

*Descriptive Geometry*.—Applications to Masonry and Machinery.

*Surveying*.—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

*Chemistry*.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

*Geology*.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

*Mineralogy*.—Blowpipe Examination of Minerals.

*Mining*.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation; Hoisting Engines, Cages, Cars, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead, and Zinc Mines.

*Metallurgy*.—General Metallurgy—Classification of Processes; Furnaces, Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Firebricks, &c.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, &c.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, &c.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, &c.; Hot Blast Stoves; Lifts, &c.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, &c.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, &c.

*Physics.*—Laboratory Practice.

*Drawing.*—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, &c.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

#### SENIOR YEAR.

*Mining.*—Ventilation, Natural and Artificial; Measurement or Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, &c.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Jigging Machines, &c.; Washing and Dressing of Coal, &c.

General Management of Mines, &c.

*Chemistry.*—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.

*Assaying.*—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

*Economic Geology.*—Occurrence and Distribution of Ores; Iron, Lead, Copper, &c.; Character, Uses, and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, &c.

*Metallurgy.*—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxyde.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

*Blowpipe Analysis.*—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, &c.

*Mechanics.*—Rankine's Applied Mechanics.

*Drawing.*—Machines, Furnaces, Mines, &c.

*Projects.*—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

## V.—COURSE IN BUILDING & ARCHITECTURE.

### JUNIOR YEAR.

*Architectural Designs.*—The Elements of Design; the Principles of Composition; Examination of Architectural Works.

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, &c.

*Mathematics.*—Differential and Integral Calculus.

*Physics.*—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Drawing.*—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.

*English.*—Composition; Descriptions of Prominent Buildings, &c.

## SENIOR YEAR.

*Architecture*.—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.

*Engineering*.—Stability of Structures, Stress; Strength and Stiffness of Girders, Pillars, &c.; Foundations, Walls, Roofs; Building Materials.

*Mechanics*.—Principles of Statics; Rankine's Applied Mechanics.

*Physics*.—Laboratory Practice, in Testing Materials, Ventilation, Warming, &c.; Modelling in Plaster and Wood; Framing in Wood and Iron.

*Drawing*.—Designing Architectural Ornaments; Architecture; Landscape; Designs for particular Structures; Drawing from Memory.

*Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English*.—Graduation Thesis.

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MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the College classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

## BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this Department. Besides this building there are a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities will be procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

### CIVIL AND MECHANICAL ENGINEERING.

The Department is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., adorn the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine, and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. It will continue to stand in the Physical Laboratory, where each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, etc.

The instruction in all branches is given from text books when practicable, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling mills, furnaces, and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to rear not mere theorizers, but practical, far-seeing business men.

## THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic Department, organized in September, 1871, has been in full operation during the last two years. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of and reports on mines and manufacturing establishments.

## COLLECTIONS

have already been made, and are constantly receiving additions, embracing models of crystals, and specimens illustrating the various minerals and rocks and their association; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will in time be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to

meet with in the field and the various products in metallurgical operations.

#### ASSAY LABORATORIES

are now in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc., to which will soon be added a volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture-rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

#### CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

#### VISITS TO MINES, WORKS, ETC.

Every opportunity is offered the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for

the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

The Chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first floor of the large building, will be appropriated to the State Geological Cabinet mentioned below. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

### PHYSICAL LABORATORY.

It is intended to make this new feature in education a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Accoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. During the past year a complete outfit of photographic apparatus has been added to the laboratory; and, under the instruction of Mr. R. Benecke, a practical photographer, the senior class has been drilled in the practical details of the art. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

For the use of students in this and the Chemical Laboratories there is a

#### WORK-SHOP

containing an elegant lathe, made expressly for the University by the Fitchburg Machine Company, of Massachusetts, for turning wood and iron; a work-bench, and a full set of carpen-

ter's and modeling tools, an engine lathe, geer-cutter, a small forge, and a complete outfit of machinist's tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession. During the past year the students have practiced turning brass wheels, cutting teeth of wheels, graduating circles, making wooden and iron girders, apparatus, etc.

The headquarters of the

### STATE GEOLOGICAL SURVEY

are located at this Institution. It is here that the examination, classification, analysis, and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

### THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology or any of its cognate sciences, is in one of the most spacious rooms of this Department, and at all suitable times will be open for the use of students of the University.

### VACATION WORK.

It is expected that surveying parties, composed either wholly or in part of the students of this Department, will be sent into the field, either for the purpose of performing the secondary triangulation of the State of Missouri (under the auspices of the U. S. Coast Survey), or in other similar undertakings. (The Observatory on the University grounds has already been made a point of great importance in the primary survey of the State.) In this work there is excellent opportunity to earn *something*, and to learn the details of the very best surveying practice in the world.

### SCHOOL OF ART AND DESIGN.

Through the instruction and direction of Prof. J. W. Pattison, and his successor, Prof. A. B. Copeland, this branch of the Polytechnic Department has assumed a position of great impor-

tance. The large hall over the College has, since the completion of the Polytechnic wing, been entirely devoted to its use. Already it contains a collection of casts from the antique and other drawing models, unsurpassed by any in the Mississippi Valley. It includes full-length statues, torsos, busts, heads, feet, hands, legs, groups, &c., besides other models. The high, niched windows afford every facility for lighting these articles, while the hall—about 75x35 feet—accommodates a large number of students simultaneously. Besides the Sophomores and Freshmen, who are required to attend regularly, and a large number of students from the Academy, it is proposed to form at once (January, 1874.) adult classes of special students, ladies and gentlemen, which will meet afternoons and Saturdays, to study drawing or painting. These students will pay each a tuition, according to the amount of instruction received.

Several years study in Europe, particularly at the Royal Academy at Antwerp, has enabled Prof. Copeland not only to study drawing and color to the greatest advantage, but the means and methods of giving instruction. Special care is taken to train the eye to a correct knowledge of form and proportion, and the hand to draw largely and boldly. By an improved method, the student is enabled in the shortest possible time to pursue a thorough course in drawing, perspective, etc., from the simplest black-board exercises to the carefully finished drawing or painting. The rooms are open at all reasonable hours, and exhibit on their walls both the methods employed and their results. It is earnestly hoped that all who are interested in this matter will make an effort to avail themselves of the unusual advantages here offered for the study of Art and the practice of Drawing.

### EXAMINATIONS.

The Examinations in this Department are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

## DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The Degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

## TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

## DISCIPLINE.

The Department is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentlemen, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

## BOARD AND LODGING

Students living at a distance from the University can be supplied with rooms in the Dormitory building before referred to. The rent for a single room is \$12 per term; for a double room \$20 per term—that is, \$10 for each occupant. The rooms are unfurnished, but when students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, etc., the students

must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and, should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

### EXPENSES.

The minimum expenses of maintaining a student in this Department one year is :

|                                               |                 |
|-----------------------------------------------|-----------------|
| Tuition.....                                  | \$100 00        |
| Rent of room.....                             | 20 00           |
| Board, fuel and washing, at \$5 per week..... | 200 00          |
| Books, Instruments, &c.....                   | 30 00           |
| Total.....                                    | <u>\$350 00</u> |

### SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships" and "Sustentation Fund," on page 11; and of other Scholarships on page 57.

### LECTURES, THE IRVING SOCIETY, LIBRARY, AND GYMNASIUM.

(For information on these points, see pages 56 and 57.)

## ELEMENTARY DEPARTMENT

OF THE

### O'FALLON POLYTECHNIC INSTITUTE.

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In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1865 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the College classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chesnut and Seventeenth streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose; and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation

and more enlarged usefulness, and to the University itself a closer connection with the educational needs of the times. The title of the Polytechnic building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

The AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

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# EVENING SCHOOL

AT

THE POLYTECHNIC BUILDING,

*Corner of Seventh and Chesnut Sts.*

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## TEACHERS.

---

JOHN E. KIMBALL, *Principal.*

HENRY W. JAMESON.

RUFUS J. DELANO.

WILLIAM S. CURTIS.

GEORGE B. HIGHT.

## STUDENTS.

## NAMES.

Adams, Donnison B.  
Adams, James F.  
Alewell, Henry.  
Amelung, Henry.  
Anderson, Lorenzo.  
Atkinson, Samuel J.  
Auler, Charles T.  
Bain, Archibald.  
Banks, Michael.  
Barnidge, Alphonsus J.  
Batchelor, Prentiss.  
Beckman, John A.  
Bernet, Christian.  
Bert, John H.  
Blackman, Joseph R.  
Boos, Bruno.  
Boppert, Louis.  
Borlinghaus, Charles.  
Bottischer, John L.  
Bowman, Edgar A.  
Boyle, John F.  
Brandon, Leon C.  
Bray, William E.  
Brightley, Clarence.  
Brooks, Fred. S.  
Brown, Thomas.  
Cavanaugh, Hugh.  
Clark, Henry E.  
Claytor, William R.  
Clifford, John M.  
Coleman, John.

## NAMES.

Cooke, William.  
Condon, Edward P.  
Cox, Charles J.  
Cummins, David D.  
Curtis, John M.  
Cushing, Charles C. C.  
Dassler, Edward C.  
Day, John.  
Degnan, James.  
Devoy, Joseph L.  
Dichenhorst, Henry H.  
Dickson, Herbert E.  
Dickson, J. Harvey.  
Diekmann, Louis C.  
Dockery, James J.  
Dockery, Thomas.  
Doerbaum, George W.  
Donovan, William T.  
Drukker, Joseph.  
Duffy, George Y.  
Evans, William H.  
Finnerty, Thomas.  
Fitzgerald, David E.  
Fitzpatrick, Daniel.  
Fitzpatrick, Joseph E.  
Foster, Isaac.  
Fox, Charles A.  
Friedrick, August.  
Fullinwider, George S.  
Fuchs, Louis C.  
Gautier, Marce J.

## NAMES.

Gerhardt, Julius.  
 Gibson, James.  
 Glaser, Robert.  
 Goebel, Arthur.  
 Goodwin, Joseph P.  
 Gormley, Edward W.  
 Gould, George H.  
 Graser, Fred. H.  
 Gratiaa, Simeon.  
 Hacker, John F.  
 Halley, William L.  
 Hamilton, William.  
 Hammel, Peter.  
 Hawe, Michael.  
 Hebert, William T.  
 Heidel, Edward.  
 Heiligstedt Adolph G.  
 Heine, Ernst.  
 Heltzell, Ambrose C.  
 Hildreth, H. W.  
 Hoefler, J. W. R.  
 Hogan, Robert G.  
 Horner, Otto.  
 Hufnagel, William.  
 Isaacs, Benjamin.  
 Johnson, Robert F.  
 Kaltwasser, Louis.  
 Kane, John.  
 Kavanaugh, Edward J.  
 Keating, Thomas.  
 Kelley, Lawrence.  
 Kille, Edwin S.  
 Klein, Daniel.  
 Klosterman, Herman.  
 Kollmeier, John F.  
 Kopp, Frederick W.  
 Krauswick, Edward C.  
 Kretschmar, Harry.

## NAMES.

Kunert, John.  
 Kunzel, Andrew.  
 Lampert, William.  
 Landau, Louis.  
 Lauprecht, George.  
 Lawlor, Thomas R.  
 Liemke, John.  
 Loevy, Hannibal.  
 MacBeath, John.  
 McCann, Peter.  
 McCarty, Patrick J.  
 McGrath, Joseph A.  
 McLean, John.  
 Maginn, Frank.  
 Mardorf, Edward F.  
 Mardorf, Theodore F.  
 Marshall, William J.  
 May, Charles.  
 Mead, James.  
 Merrell, Hubert S.  
 Meyer, Leo J.  
 Meyer, Louis.  
 Middleton, Pyne S.  
 Miller, John B.  
 Miltenberger, Frank R.  
 Molony, James.  
 Muhlemann, Eugene.  
 Murta, Charles J.  
 Neumeister, Charles A.  
 Niehaus, Edward H.  
 Niemeyer, Fred J.  
 Nolte, Herman A.  
 Nolte, William J.  
 Obermeyer, Edward.  
 O'Brien, Edward.  
 O'Byrne, Patrick.  
 O'Neil, Eugene J.  
 Osterhorn, Robert.

## NAMES.

Ott, John.  
 Owen, Charles.  
 Owen, John.  
 Peck, William H.  
 Pretre, Charles.  
 Reed, William F.  
 Reilly, John T.  
 Remington, James B.  
 Rogan, Martin T.  
 Roth, Edward B.  
 Russell, William S.  
 Samuels, Simon.  
 Sardon, Freeman.  
 Schell, Charles E.  
 Schnute, Louis.  
 Schroeder, Henry.  
 Schutz, William C.  
 Sebelles, John B.  
 Sebelles, Theodore S.  
 Sheehy, Charles.  
 Shirley, Hiram A.  
 Skaggs, Milton B.  
 Smith, Elineious.  
 Smith, William Alfred.

## NAMES.

Smith, William Asa.  
 Stamm, Ernest.  
 Stamm, George.  
 Straube, Charles.  
 Sullivan, James.  
 Sullivan, William B.  
 Thiele, George H.  
 Townsend, Arthur L.  
 Tumalty, Joseph F.  
 Uhri, William.  
 Usher, Fred J.  
 VanCourt, Benjamin P.  
 Waite, William.  
 Wander, George.  
 Watson, Walter B.  
 Weber, Albert.  
 Whitney, William T.  
 Wind, Alexander.  
 Winkelmann, B. H.  
 Wissehahn, Louis C.  
 Wochner, Michael J.  
 Wolf, Edward.  
 Wolfarth, August.  
 Yaeger, Charles H. F.

Total, 186.

## THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

## THE TERM

has been fixed by the Board for five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day time, who could pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

## V.—LAW DEPARTMENT.

### FACULTY.

WILLIAM G. ELIOT, D.D., *Chancellor.*

#### PROFESSORS AND LECTURERS:

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, A.M., *Provost of Law Department.*

HON. ALBERT TODD.

“ SAMUEL REBER, Late Judge St. Louis Circuit Court.

“ JOHN M. KRUM “ “ “ “

“ GEORGE A. MADILL, “ “ “

“ CHESTER H. KRUM, “ “ “

ALEXANDER MARTIN, A.M.,

GEORGE M. STEWART, A.M., *Dean of Law Faculty.*

#### ADVISORY AND EXAMINING BOARD:

HON. SAMUEL F. MILLER, Justice of U. S. Supreme Court, *President.*

HON. JOHN F. DILLON, U. S. Circuit Judge.

“ ARNOLD KREKEL, U. S. Dist. Judge, W. Dist. of Mo.

“ DAVID WAGNER, Justice Supreme Court of Mo.

“ WM. B. NAPTON, Justice Supreme Court of Mo.

“ JAMES J. LINDLEY, Judge St. Louis Circuit Court.

“ HORATIO M. JONES, Judge St. Louis Circuit Court.

“ JAMES K. KNIGHT, Judge St. Louis Circuit Court.

“ JAMES R. LACKLAND, Late Judge St. Louis Cir. Court.

“ G. A. FINKELNBURG.

CHARLES C. WHITTELSEY, Esq.

JOHN R. SHEPLEY, Esq.

JOHN W. NOBLE, Esq.

HON. R. E. ROMBAUER.

SAMUEL T. GLOVER, Esq.

JAMES O. BROADHEAD, Esq.

ARBA N. CRANE, Esq.

EDWIN C. KEHR, Esq.

## STUDENTS.

## SENIOR CLASS.

## NAME.

## RESIDENCE.

|                        |                   |                       |
|------------------------|-------------------|-----------------------|
| Countryman, Ambrose D. | Hastings, Minn.   | 1717 St. Charles st.  |
| Davis, John D.         | St. Louis, Mo.    | 2219 Olive street.    |
| Frazer, Thomas H.      | New London, Mo.   | U. S. Att'y's office. |
| Frost, R. Graham.      | St. Louis, Mo.    | 513 N. Sixth st.      |
| Gostorf, George W.     | St. Louis, Mo.    | 1433 Carondelet av    |
| Hicks, Frank.          | St. Louis, Mo.    | 2117 Clark av.        |
| Knapp, Vernon W.       | St. Louis, Mo.    | 818 Gratiot st.       |
| Koerner, Christian.    | St. Louis, Mo.    | 1801 Franklin av.     |
| Linton, F. L.          | St. Louis co. Mo. |                       |
| McHose, J. B.          | Geneseo, Ill.     |                       |
| Mellon, Jefferson.     | St. Louis, Mo.    | 1214 Olive st.        |
| Newman, Charles.       | Alton, Ill.       | 1409 Olive st.        |
| Noell, John V.         | Perryville, Mo.   | 915 N. 19th st.       |
| Peebles, Frank W.      | St. Louis, Mo.    | 826 S. 14th st.       |
| White, E. J.           | St. Louis, Mo.    | St. James Hotel.      |
|                        |                   | Total, 15.            |

## JUNIOR CLASS.

|                    |                     |                    |
|--------------------|---------------------|--------------------|
| Boemler, Henry.    | St. Louis, Mo.      | 706 Pine st.       |
| Delano, Rufus J.   | St. Louis, Mo.      | 203 N. Third st.   |
| Dixon, Webster     | Vernon, Ind.        | 14 S. Fifth st.    |
| Edgar, Will R.     | Ironton, Mo.        |                    |
| Espenschied, F. F. | St. Louis, Mo.      | 813 Hempstead st.  |
| Ferriss, Frank B.  | Peru, N. Y.         | 212 N. Fourth st.  |
| Foster, R. M.      | Union Springs, Ala. |                    |
| Glover, John M.    | St. Louis, Mo.      | 2904 Gamble st.    |
| Harbison, Robert.  | St. Louis, Mo.      |                    |
| Jamison, A. D.     | St. Louis, Mo.      | 2401 Chesnut st.   |
| Loring, Charles A. | St. Louis, Mo.      | 801 Mound st.      |
| McDowell, E. C.    | Lewistown, Ill.     | 3016 Locust st.    |
| Meier, John J.     | St. Louis, Mo.      | 1808 State st.     |
| Murfree, W. L.     | Murfreesboro, Ten.  | 1312 Washingt'n av |

| NAME.                    | RESIDENCE.                          |
|--------------------------|-------------------------------------|
| Reber, James S.....      | Shoemakersville, Pa..St. Louis.     |
| Rhea, H. D.....          | Greenville, Ill....                 |
| Richardson, John C.....  | St. Louis, Mo....1601 Olive st.     |
| Ruegger, Adolph.....     | Highland, Ill....314 Myrtle st.     |
| Scarborough, Otis W..... | Kosciusko, Miss..                   |
| Switzer, C M.....        | St. Louis, Mo....1725 Washingt'n av |
| Stirling, Henry R.....   | St. Louis, Mo....1131 St. Ange st.  |
| Taylor, H. V.....        | Owensboro, Ky..908 Beckwith st.     |
| Warnock, W. H.....       | Columbia, Ill....                   |
| Webb, Jean F.....        | Lebanon, Ill....                    |
| Wells, Jephtha.....      | Troy, Mo.....                       |
| Total, 25                |                                     |

The Law Department of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides causes at Common Law and in Equity, also the State, Circuit and Criminal Courts and the Supreme (or highest appellate) Court of Missouri; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of six years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law School is enabled to present, give promise of still greater efficiency in the future.

## COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

### SCHOLARSHIPS — PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this Department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free Scholarships in this department should apply to the Provost on or before the 19th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.

2. That the applicant is of good character and standing.

The applicant must have a good English education and the certificate of Professor SNOW of the College to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

Competition for the prize referred to is confined to the members of the Graduating Class in each year, under regulations announced at the opening of the term.

## TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1874-75:

Blackstone's Commentaries (Sharswood), Books I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Story's Equity Jurisprudence, Washburn on Real Property, vol. 1; Stephens (or Gould) on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Story on Bills, Addison on Torts (abr.), Schouler's Domestic Relations.

Applicants for admission to the Senior Class of 1874-75, will be required to pass a satisfactory examination on the foregoing works before the beginning of the term, and should apply in person, before or during the first week in October, to the Provost or Dean.

The Senior Class will use the following:

Story on the Constitution, Parsons' Marine Insurance, Conkling's Treatise on Jur. and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Bishop's Criminal Law, Story on Sales, Story on Promissory Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any reduction be made from the term fee. Class tickets are in no case transferable.

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of

the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

### TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good Board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

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| LAW SCHOOL.....                                   | 40  |
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# LIST OF GRADUATES.

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## GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (\*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON.  
CHARLES BRANCH, A.M.  
HENRY BRANCH, A.M.  
REGIS CHAUVENET, A.M.  
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.  
JOHN TILDEN DAVIS.  
WILLIAM RHIND DONALDSON.  
HENRY WARE ELIOT.  
OSCAR WILLIAM GAUSS.  
NATHANIEL GRAY SMITH HART.  
CHESTER HARDING KRUM.  
THOMAS KEITH SKINKER.  
\*JAMES STATT'S WATERS. 1869.

1864.

GEORGE WEBER CUTTER, A.M.  
CHARLES EDWARD ILLSLEY, A.M.  
JOHN HERAN KERCHEVAL.  
JOHN GEORGE DAVID KNIGHT, A.M.  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE.  
FREDERICK JULIUS CASTLEHUN, A.M.  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER. 1868.  
CHARLES FLETCHER HAZARD.  
JOSEPH NORWOOD LITTON.  
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.  
ALEXANDER GILL DONALDSON.  
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK.  
FREDERICK MORGAN CRUNDEN, A.M.  
HARVEY HALE DELANO.  
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP.  
CHARLES MANNING LITTON.  
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.  
DAVID ROWLAND FRANCIS.  
DAVID GOLDSMITH.  
GEORGE WASHINGTON TAUSSIG.  
LOUIS WILLIAM TEUTEBERG.  
FRED. AUGUSTUS WISLIZENUS. .

1871.

GEORGE WILSON BELCHER.  
SAMUEL HEMPLE CHAUVENET.  
JOHN WILLIAM HOUGH.  
HENRY WILLIAM THIELE.

1872.

ELIOT CONWAY JEWETT.  
 LYNE SHACKLEFORD METCALFE, JR.  
 WILLIAM FRANCIS PATRICK.  
 MARTIN HAYWARD POST.  
 ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN.  
 WILLIAM SAMUEL CURTIS.  
 JOHN WEBSTER SPARGO.

## GRADUATES IN POLYTECHNIC DEPARTMENT.

1866.

REGIS CHAUVENET, B.S.  
 EDWARD SINGLETON HOLDEN, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871.  
 EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.  
 RUDOLPH RITTER, C.E.  
 ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.  
 RUFUS JUDAH DELANO, C.E.  
 ALBERT FRED. D'OENCH, M.E.

1873.

ROBERT ABELES, C.E.  
 ADOLPHUS LOVINGSTON, C.E.  
 HUBERT TAUSSIG, C.E.

## GRADUATES IN LAW.

1869.

MAURICE D. COLLIER.  
DANIEL DILLON.  
JAMES S. GARLAND.  
WILLIAM E. HALL.  
JOHN H. NICHOLSON.  
JOHN P. PLAYER.  
GIFFORD S. ROBINSON.  
CHARLES H. SEE.  
PHILIP SUTHERLIN.  
PETER J. TAAFE.  
JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY.  
LEWIS E. BEACH.  
NATHANIEL C. DRYDEN.  
EDWARD P. McCARTY.  
WILLIAM F. MARSH.  
OTTO W. MEYSENBURG.  
RICHARD H. NORTON.  
ALFRED A. PAXSON.  
WILLIAM T. RICHMOND.

\* 1871.

PHEBE W. COUZINS.  
ALEX. N. DeMENIL.  
SILAS W. DOOLY.  
HENRY C. HART, Jr.  
HENRY C. HOGG.  
WM. T. HOUSTON.  
FRED. N. JUDSON.  
WM. C. KUEFFEN.  
FOSTER T. MARTIN.  
DAVID MURPHY.  
WILLARD A. SMITH.  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH.  
HENRY I. D'ARCY.  
DAVID GOLDSMITH.  
JOHN J. McCANN.  
JOHN L. MAXWELL.  
HENRY E. MILLS.  
CHARLES NAGEL.  
ALBERT NIGGEMAN.  
HENRY O'GORMAN.  
THOMAS J. ROWE.  
LEANDER J. SMITH.  
MICHAEL J. SULLIVAN.  
GEORGE W. TAUSSIG.  
EUGENE C TITTMAN.  
FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE.  
IRENÆUS D. FOULON.  
BENJAMIN F. HEDGES.  
J. LINN LADD.  
MICHAEL J. MURPHY.  
JOHN F. O'ROURKE.  
BARNETT W. PRESCOTT.  
CHARLES G. SINGLETON.  
CHARLES E. STARR.  
CHARLES F. W. DASSLER.  
EDWARD L. GOTTSCHALK.  
THEODORE HUNT.  
HUGO MUENCH.  
SIMON OBERMEYER.  
JAMES M. PEARSON.  
HENRY CLAY RILEY.  
WILLIAM C. SMITH.  
HENRY M. TALLMAN.

## HONORARY GRADUATES.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.

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## APPENDIX.

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NAMES OF STUDENTS ENTERING THE UNIVERSITY THE  
SECOND TERM—1873-74, WITH ADDITIONAL INFOR-  
MATION IN REGARD TO THE VARIOUS  
DEPARTMENTS.

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# I.—THE ACADEMY.

## STUDENTS.

### FIRST PREPARATORY SCIENTIFIC CLASS.

#### NAME.

#### RESIDENCE.

Ames, Frank.....Grand Avenue.

### COMMERCIAL CLASS.

Hubbard, Thomas A.....Collinsville, Ill.

### FOURTH ACADEMIC CLASS.

Duffer, Charles H.....

Morse, Edmund R.....1626 Pine Street.

Peper, Charles, Jr.....1522 Morgan Street.

### FIFTH ACADEMIC CLASS.

Morgan, William.....2806 Morgan Street.

Obermeyer, Lewis.....1545 Papin Street.

Wilson, Charles J. S.....Laclede Hotel.

### FIRST PREPARATORY CLASS.

Bowen, Wm. Jr.....2108 Chestnut Street.

Colman, Frank.....St. Louis Township.

Dieckriede, Robert.....1613 Chouteau Avenue.

Spore, Charles .....2d Carondelet av. & Victoria st.

### PRIMARY CLASS.

Chamberlain Fred B. Jr.....1819 Washington Avenue.

Floyd, Jones Semple.....1624 Lucas Place.

Jordan, German Alex. ....2653 Olive Street.

Murdock, George J.....Laclede Station, P. R. R.

## II.—MARY INSTITUTE.

---

### STUDENTS.

---

#### SECOND ACADEMIC CLASS.

| NAME.                | RESIDENCE.                 |
|----------------------|----------------------------|
| Candee, Isabel ..... | Grand Avenue, near Easton. |
| Groshon, Nellie..... | Webster Groves.            |
| Plant, Fanny.....    | Webster Groves.            |

#### FIFTH ACADEMIC CLASS.

|                        |                      |
|------------------------|----------------------|
| Lightburne, Fanny..... | 621 S. Fifth Street. |
| Morehead, Ida M.....   | 3252 Olive Street.   |

#### FIRST PREPARATORY CLASS.

|                         |                    |
|-------------------------|--------------------|
| Blow, Eliza A. W.....   | 2927 Pine Street.  |
| Eisenmeyer, Amelia..... | Summerfield, Ill.  |
| Newman, Lemira M.....   | 3252 Olive Street. |
| Stanford, Alice M.....  | 1615 Olive Street. |

#### SECOND PREPARATORY CLASS.

|                  |                         |
|------------------|-------------------------|
| Logan, Mary..... | 1309 Washington Avenue. |
|------------------|-------------------------|

#### THIRD PREPARATORY CLASS.

|                          |                   |
|--------------------------|-------------------|
| Whittelsey, Alice G..... | 2635 Pine Street. |
|--------------------------|-------------------|

#### FOURTH PREPARATORY CLASS.

|                   |                         |
|-------------------|-------------------------|
| Logan Alida ..... | 1309 Washington Avenue. |
|-------------------|-------------------------|

#### PRIMARY CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Boyle, Sydney. ....      | 1302 Washington Avenue. |
| Holmes, Frederika D..... | Southern Hotel.         |
| January, Edith .....     | 1137 Washington Avenue. |
| January, Jeannette.....  | 1137 Washington Avenue. |
| Mackenzie, Georgie.....  | 1510 Walnut Street.     |
| Tensdale, Mary J.....    | 2307 Park Avenue.       |
| Wickham, Annie C.....    | 1712 Lucas Place.       |

## III.—THE COLLEGE.

## STUDENTS.

(NOT CANDIDATES FOR A DEGREE.)

NAME.

RESIDENCE.

Johnson, James L.....921 Pine Street.  
 Torrey, James L.....Washington University.

## IV.—POLYTECHNIC DEPARTMENT.

## STUDENTS.

## FRESHMAN CLASS.

NAME.

RESIDENCE.

George M. Block .....Aberdeen, Mo.

(NOT A CANDIDATE FOR A DEGREE.)

Carl E. Ludeking.....St. Louis, Mo.

## THE CONDITIONS OF ADMISSION

as given on page 62 remain in force during the examinations of June and September, 1874, for the next Freshman Class. They will be interpreted strictly in every particular.

At the examinations in JUNE AND SEPTEMBER, 1875 the following conditions of admission will be in force. They are published for the benefit of those students still in the midst of preparatory work:

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:—

1. English Composition, including the use of Language, Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject, selected either from American History or from Shakspeare's Julius Cæsar. A reasonable knowledge of these matters will be held essential to the privilege of farther examination.

2. Physical and Modern Political Geography.

3. American History, up to the close of the War of 1812. White's Landmarks of English History, or an equivalent.

4. Human Anatomy and Physiology.

5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.

6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.

7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions); or in the first two parts of Olney's Geometry (omitting the chapter on maximum and minimum figures).

8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first 50 pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves, if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's "Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."

9. Natural Philosophy, as much as is contained in the first half of Wells's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."

10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.

✎ In June and September 1876 Latin will be required. The student must be able to construe a passage from the Latin Reader or from Cæsar.

These revised Conditions of Admission indicate a decided advance. They will require on the part of students at least a half year's additional work. Every new feature has been adopted only after mature discussion and mature deliberation, and the Faculty look to the teachers of public and private schools for an endorsement of their action. The transcendent importance of an exact and practical knowledge of the **ENGLISH LANGUAGE**, and **LITERATURE** will, it is hoped, justify the requirements under the head of English Composition and Latin. The latter though nominally "dead," still lives in the spoken language of every civilized nation of to-day. The Faculty are not alone in their estimate of the value of a rudimentary knowledge of Latin to English-speaking and writing people. "Even a little study of Latin makes a great difference in the grasp of the mind as regards generalization and principles. Without Latin the trope and metaphor underlying the abstract terms necessary to express all elevated sentiment or thought in English, and more specifically all scientific results, whether moral, legal, spiritual or natural—is not perceived or felt. \* \* \* In our civil and political forms we live Roman life to-day. \* \* \* Jurisprudence and legislation pronounce their edicts in Roman words." \*

It is not expected that the students will become "classical scholars," the aim simply being to fit them for advantageous use of the instruction given in the Polytechnic School. But experience has taught that a moderate knowledge of Latin is an important, if not indispensable element in preparatory education. It may not be improper to add that the best scientific schools everywhere are adopting the same course.

The ease with which young students learn to use logarithms, and acquire skill in the use of drawing instruments, and the fact that habits of accuracy are more readily formed early in a student's course, have led to the introduction of one topic under **ALGEBRA**, and of the entire section under **GEOMETRICAL DRAWING**. These new features will enhance the student's interest in his mathematical studies, and will practically add very little to the work of preparation.

---

\* Report of W. T. Harris, Supt. St. L. Pub. Sch., for 1872-73.

## ANNOUNCEMENT.

The Faculty of the Polytechnic Department have decided to adopt the plan of a

## DIVIDED EXAMINATION,

in accordance with which students who propose to enter the Freshman Class in the summer of 1875 may present themselves this year, in June or September, for examination on such studies as they are already proficient in; provided they are prepared to be examined on not less than four of the topics named in the Conditions of Examination for next year. A record of such examinations will be kept, and when the same students present themselves next year they will be credited with the work done this. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

All applicants will meet in Rooms, Nos. 5 and 6 in the Polytechnic wing, at 8½ o'clock on Monday June 8th.

The subject for examination the first day will be, English Composition, Physical Geography, Arithmetic, History, and Algebra.

On the second day the second day the subject will be, Geometry, Physiology, Natural Philosophy, German, (French or Latin).

## SUMMARY.

## SECOND TERM, 1873-74.

|                                              |   |   |   |   |   |   |   |     |
|----------------------------------------------|---|---|---|---|---|---|---|-----|
| The Academy,                                 | - | - | - | - | - | - | - | 348 |
| <i>Merr Institute,</i>                       | - | - | - | - | - | - | - | 297 |
| The College,                                 | - | - | - | - | - | - | - | 36  |
| Polytechnic Institute,                       | - | - | - | - | - | - | - | 39  |
| Elementary Department Polytechnic Institute, | - | - |   |   |   |   |   | 186 |
| Law School,                                  | - | - | - | - | - | - | - | 40  |
| TOTAL,                                       | - | - |   |   |   |   |   | 946 |

A CATALOGUE

OF THE

OFFICERS, STUDENTS, AND COURSES OF STUDY

IN THE SEVERAL DEPARTMENTS OF

WASHINGTON UNIVERSITY,

FOR THE

ACADEMIC YEAR 1874-75.

SAINT LOUIS:

H. P. SUDDEBY COMPANY, PRINTERS, 221 N. MAIN STREET.

1875.



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FOR THE

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SAINT LOUIS:

R. F. STUDLEY COMPANY, PRINTERS, 221 N. MAIN STREET.

1875.

1875

Sund. Mond. Tues. Wed. Thurs. Frid. Satur.

|          |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|
| Jan...   | ... | ... | ... | ... | 1   | 2   |
|          | 3   | 4   | 5   | 6   | 7   | 8   |
|          | 10  | 11  | 12  | 13  | 14  | 15  |
|          | 17  | 18  | 19  | 20  | 21  | 22  |
|          | 24  | 25  | 26  | 27  | 28  | 29  |
|          | 31  | ... | ... | ... | ... | ... |
| Feb...   | ... | 1   | 2   | 3   | 4   | 5   |
|          | 7   | 8   | 9   | 10  | 11  | 12  |
|          | 14  | 15  | 16  | 17  | 18  | 19  |
|          | 21  | 22  | 23  | 24  | 25  | 26  |
|          | 28  | ... | ... | ... | ... | ... |
| Mar...   | ... | 1   | 2   | 3   | 4   | 5   |
|          | 7   | 8   | 9   | 10  | 11  | 12  |
|          | 14  | 15  | 16  | 17  | 18  | 19  |
|          | 21  | 22  | 23  | 24  | 25  | 26  |
|          | 28  | 29  | 30  | 31  | ... | ... |
| April... | ... | ... | ... | ... | 1   | 2   |
|          | 4   | 5   | 6   | 7   | 8   | 9   |
|          | 11  | 12  | 13  | 14  | 15  | 16  |
|          | 18  | 19  | 20  | 21  | 22  | 23  |
|          | 25  | 26  | 27  | 28  | 29  | 30  |
| May...   | ... | ... | ... | ... | ... | 1   |
|          | 2   | 3   | 4   | 5   | 6   | 7   |
|          | 9   | 10  | 11  | 12  | 13  | 14  |
|          | 16  | 17  | 18  | 19  | 20  | 21  |
|          | 23  | 24  | 25  | 26  | 27  | 28  |
|          | 30  | 31  | ... | ... | ... | ... |
| June...  | ... | ... | 1   | 2   | 3   | 4   |
|          | 6   | 7   | 8   | 9   | 10  | 11  |
|          | 13  | 14  | 15  | 16  | 17  | 18  |
|          | 20  | 21  | 22  | 23  | 24  | 25  |
|          | 27  | 28  | 29  | 30  | ... | ... |
|          | ... | ... | ... | ... | ... | ... |

1875

Sund. Mond. Tues. Wed. Thurs. Frid. Satur.

|         |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|
| July... | ... | ... | ... | ... | 1   | 2   |
|         | 4   | 5   | 6   | 7   | 8   | 9   |
|         | 11  | 12  | 13  | 14  | 15  | 16  |
|         | 18  | 19  | 20  | 21  | 22  | 23  |
|         | 25  | 26  | 27  | 28  | 29  | 30  |
|         | ... | ... | ... | ... | ... | ... |
| Aug...  | 1   | 2   | 3   | 4   | 5   | 6   |
|         | 8   | 9   | 10  | 11  | 12  | 13  |
|         | 15  | 16  | 17  | 18  | 19  | 20  |
|         | 22  | 23  | 24  | 25  | 26  | 27  |
|         | 29  | 30  | 31  | ... | ... | ... |
| Sept... | ... | ... | ... | 1   | 2   | 3   |
|         | 5   | 6   | 7   | 8   | 9   | 10  |
|         | 12  | 13  | 14  | 15  | 16  | 17  |
|         | 19  | 20  | 21  | 22  | 23  | 24  |
|         | 26  | 27  | 28  | 29  | 30  | ... |
| Oct...  | ... | ... | ... | ... | 1   | 2   |
|         | 3   | 4   | 5   | 6   | 7   | 8   |
|         | 10  | 11  | 12  | 13  | 14  | 15  |
|         | 17  | 18  | 19  | 20  | 21  | 22  |
|         | 24  | 25  | 26  | 27  | 28  | 29  |
|         | 31  | ... | ... | ... | ... | ... |
| Nov...  | ... | 1   | 2   | 3   | 4   | 5   |
|         | 7   | 8   | 9   | 10  | 11  | 12  |
|         | 14  | 15  | 16  | 17  | 18  | 19  |
|         | 21  | 22  | 23  | 24  | 25  | 26  |
|         | 28  | 29  | 30  | ... | ... | ... |
| Dec...  | ... | ... | ... | 1   | 2   | 3   |
|         | 5   | 6   | 7   | 8   | 9   | 10  |
|         | 12  | 13  | 14  | 15  | 16  | 17  |
|         | 19  | 20  | 21  | 22  | 23  | 24  |
|         | 26  | 27  | 28  | 29  | 30  | 31  |
|         | ... | ... | ... | ... | ... | ... |

# UNIVERSITY CALENDAR.

1874-75.

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EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Friday and Saturday, September 11 and 12, 1874.

FIRST TERM begins Monday, September 14.

LAW SCHOOL opens Wednesday, October 14.

THANKSGIVING DAY, Thursday, November 26.

WINTER VACATION, December 24, 1874, to January 3, 1875, inclusive.

SEMI-ANNUAL EXAMINATION, January 25-29.

SECOND TERM begins February 1.

ANNIVERSARY EXHIBITION, February 19.

ALUMNI MEETING, February —

IRVING UNION EXHIBITION, Thursday, May 3.

HOLIDAY, Friday, May 14.

LAW COMMENCEMENT, Monday, May 17.

SENIOR EXAMINATION, June 3, 4.

ANNUAL EXAMINATION, June 9-6.

EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Monday and Tuesday, June 14, 15.

COMMENCEMENT, Thursday, June 17

SUMMER VACATION, June 17 to September 13.

1875-76.

EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Friday and Saturday, September 10, 11, 1875.

FIRST TERM begins Monday, September 13.

LAW SCHOOL opens Wednesday, October 13

HOLIDAY (THANKSGIVING DAY), —, —, —.

WINTER VACATION, December 23, 1875, to January 2, 1876, inclusive.

SEMI-ANNUAL EXAMINATION, January 24-28.

SECOND TERM begins Monday, January 31.

# CORPORATION.

---

PRESIDENT :

WILLIAM G. ELIOT.

VICE-PRESIDENT :

WAYMAN CROW.

SECRETARY AND TREASURER :

SETH A. RANLETT.

DIRECTORS :

|                   |                    |
|-------------------|--------------------|
| WILLIAM G. ELIOT, | HUDSON E. BRIDGE,  |
| WAYMAN CROW,      | HENRY HITCHCOCK,   |
| JOHN M. KRUM,     | JAMES E. YEATMAN,  |
| JAMES SMITH,      | SAMUEL TREAT,      |
| SETH A. RANLETT,  | CARLOS S. GREELEY, |
| GEORGE PARTRIDGE, | ROBERT CAMPBELL,   |
| JOHN R. SHEPLEY,  | JOHN P. COLLIER,   |
| ALBERT TODD,      | JOHN T. DAVIS.     |

# OFFICERS

OF

GOVERNMENT AND INSTRUCTION.\*

RESIDENCE.

|                                                                                                                              |                     |
|------------------------------------------------------------------------------------------------------------------------------|---------------------|
| W. G. ELIOT, D.D., <i>Chancellor, and Tilden Professor of Political Economy</i> .....                                        | 2660 Washington av. |
| ABRAM LITTON, M.D., <i>Eliot Professor of Chemistry</i> .....                                                                | 2220 Eugenia st.    |
| —— ———, <i>Wayman Crow Professor of Physics</i> .....                                                                        |                     |
| TRUMAN M. POST, D.D., <i>Professor of Ancient and Modern History</i> .....                                                   | 3031 Lucas av.      |
| GEORGE ENGELMANN, M.D., <i>Professor of Botany and Natural History</i> .....                                                 | 201 S. Fifth st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Professor of Intellectual and Moral Philosophy, and Principal of Mary Institute</i> ..... | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A.M., <i>Collier Professor of Greek</i> .....                                                          | 1729 Washington av  |
| HENRY HITCHCOCK, A.M., LL.D., <i>Professor of Real Prop. Law and Provost of the Law School</i> .....                         | 1507 Lucas Place.   |
| SAMUEL TREAT, A.M., <i>President of the Law Faculty</i> .....                                                                | 1114 Pine st.       |
| ALBERT TODD, A.M., <i>Lecturer on the Law of Real Property as applied to Conveyancing</i> .....                              | Laclede Hotel.      |
| ALEXANDER MARTIN, A.M., <i>Professor of International, Admiralty, Marine Insurance, and Maritime Law</i> .....               | 1810 Wash st.       |

\*Arranged, with the exception of the Chancellor, in the order of appointment.

## RESIDENCE.

- SAMUEL REBER, A.M., *Professor of History and Science of Law, Constitutional Law, Torts, Equity and Successions*.....2206 Olive st.
- JOHN M. KRUM, A.M., *Lecturer on Criminal Law*.....1107 Washington av.
- GEORGE A. MADILL, A.M., *Professor of Real Property Law*.....3119 Chestnut st.
- CALVIN M. WOODWARD, A.M., *Thayer Professor of Mathematics and Applied Mechanics, and Dean of the Polytechnic School*.....[Geyer aves. Cor. of Missouri and
- GEORGE E. JACKSON, A.M., *Professor of Latin*.....} Washington av.,  
} w. of Grand av.
- MARSHALL S. SNOW, A.M., *Professor of History, and Registrar of the College*, 2841 Olive st.
- HENRY POMEROY, A.M., *Professor of Astronomy and Mathematics*.....1512 Walnut st.
- GEORGE M. STEWART, A.M., *Professor of Mercantile Law and Contracts, and Dean of the Law Faculty*.....Barnum's Hotel.
- WM. EIMBECK, U.S.C.S., *Professor of Practical Astronomy*.....1143 S. Seventh st.
- WM B. POTTER, A.M., E.M., *Allen Prof. of Mining and Metallurgy*.....Wash. University.
- F. WM. RAEDER, S.B., *Professor of Architecture*.....1719 Lafayette av.
- DENHAM ARNOLD, A.M., *Professor of Physics, and Principal of the Academy*..2643 Washington av.
- CHAS. A. SMITH, C. E., *Professor of Civil and Mechanical Engineering*.. .....1518 Lafayette av.
- FRED. M. CRUNDEN, A.M., *Professor of Elocution*.....1512 Walnut st.
- CHESTER H. KRUM, A.B., *Professor of the Law of Pleading, Practice and Evidence; Corporations and Domestic Relations*.....2732 Washington av.
- JOHN H. JENKS, M.D., *Professor of Physiology and Instructor in German*...1418 O'Fallon st.

## RESIDENCE.

|                                                                                  |                                             |
|----------------------------------------------------------------------------------|---------------------------------------------|
| JAMES K. HOSMER, A.M., <i>Professor of English and German Literature</i> .....   | 1510 Lafayette av.                          |
| R. THOMPSON BOND, A.B., <i>Assistant Prof. of Mathematics</i> .....              | 2734 Thomas st.                             |
| FRANCIS E. NIPHER, B.Ph., <i>Assistant Professor of Physics</i> .....            | 1728 Washington av.                         |
| HIRAM L. PEET, A.B., <i>First Assistant in the Academy</i> .....                 | 1917 Biddle st.                             |
| JAMES A. LANIUS, <i>First Assistant in the Academy</i> .....                     | 2020 Biddle st.                             |
| ISAAC N. CUNDALL, A.M., <i>Teacher of Third Academic</i> .....                   | 1919 Biddle st.                             |
| CHARLES H. STONE, <i>Teacher of Fourth Academic</i> .....                        | 1017 N. 16th st.                            |
| HORACE A. BROWN, LL.B., <i>Teacher of English Branches and Book-Keeping</i> .... | 1917 Biddle st.                             |
| ELI R. OFFUT, <i>Teacher of Mathematics</i> .....                                | 2734 Thomas st.                             |
| WM. S. CURTIS, A.B., <i>Teacher of Fifth Academic</i> .....                      | 3030 Franklin av.                           |
| HALSEY C. IVES, <i>Teacher of Free-Hand and Mechanical Drawing</i> .....         | { Room 9, Ins. Ex.,<br>cor. 5th & Olive st. |
| WALDEMAR MALMENE, M.B., <i>Cantab. Teacher of Vocal Music</i> .....              | 1635 Washington av.                         |
| RUFUS J. DELANO, C.E., <i>Instructor in Gymnastics</i> .....                     | [city. Washington Univer-                   |
| MRS. ANNA B. HILLMAN, <i>Teacher in Preparatory Department</i> .....             | 2723 Wash st.                               |
| MISS INEZ E. BORDEN, <i>Teacher in Preparatory Department</i> .....              | 1802 Olive st.                              |
| MISS AMANDA FORD, <i>Principal of Primary Department</i> .....                   | 1802 Olive st.                              |
| MISS LIZZIE W. LEIGH, <i>Assistant Teacher in Primary Department</i> .....       | 3214 Sheridan av.                           |

## MARY INSTITUTE.

## RESIDENCE.

- CALVIN S. PENNELL, A.M., *Principal*, 1600 Pine street.  
 Miss MARY S. WATKINS, *Instructor in Latin and Natural Sciences*..... 711 Locust street.  
 Miss HENRIETTA SAWYER, *Principal of Preparatory Department*..... 1621 Olive street.  
 Miss MARGARET T. WALLACE, *Principal of Primary Department*..... 2926 Laclede av.  
 Miss ANNA FLINTHAM, *Assistant in Primary Department*..... 2625 Lucas av.  
 Miss FLORENCE K. HOLDEN, *Instructor in Penmanship and Book-Keeping*, 1349 Washington av  
 Miss SARAH E. COLE, *Instructor in Natural Sciences and Mathematics*.... 103 S. 15th street.  
 Miss JULIA F. RIPLEY, *Teacher of Natural Philosophy and English Branches*. 1510 Lafayette av.  
 Miss MARY E. GLIDDEN, *Teacher of Reading and Composition*..... 1301 St. Ange av.  
 Miss ANNIE WALL, *Teacher of History and German*..... 2810 Locust street.  
 Miss CAROLINE M. PEASE, *Teacher of English Branches*..... 1909 Carr Place.  
 Mrs. ANNIE L. McCARGO, *Teacher of English Branches*..... 2923 Laclede av.  
 MADAME LOUISE GRANDJEAN, *Teacher of French*..... 1626 Dodier street.  
 Miss HELEN E. SEAVEY, *Assistant in French and Teacher of English*.... . 1609 Wash. av.  
 Mrs. JULIA M. TOWNSLEY, *Teacher of Gymnastics and English Branches*..... 1107 Dillon street.  
 Mrs. KATE J. BRAINERD, *Teacher of Vocal and Instrumental Music*..... 2804 Gamble street.  
 Miss SARAH M. MILLS, *Teacher of Drawing* ..... 1321 Pine street.

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into the charge or charges that may be preferred, in respect thereof,

by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University.

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charge hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific School was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law School was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities for education, apparatus, library,

buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those afforded in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principle on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

#### “ARTICLE V.

##### “ENDOWMENT OF PROFESSORSHIPS.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

#### “ARTICLE VI.

##### “ENDOWMENT OF DEPARTMENTS.

“Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.

## "ARTICLE VII.

## "SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

## THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

THE ALLEN PROFESSORSHIP OF MINING  
AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thomas Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver.

## ORGANIZATION.

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### WASHINGTON UNIVERSITY

#### COMPREHENDS :

I.—THE ACADEMY.

II.—MARY INSTITUTE.

III.—THE COLLEGE.

IV.—THE POLYTECHNIC SCHOOL.

V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Students entering the Polytechnic School and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic School without examination.

At a meeting of the Board of Directors of the University, held in November, 1874, the following resolutions were adopted :

*Resolved*, On recommendation of the Faculty, and with a view to the promotion of the best interests of learning and science, and for the encouragement of young men to obtain a complete education before entering upon a professional career,

1.—That the graduates of the College of the University shall have *free admission* to the classes of the Polytechnic School, either as regular or partial students, subject to the rules and regulations of the same.

2.—That the graduates of the Polytechnic School shall have *free admission* to the College classes, either as regular or partial students, subject to the rules and regulations of the same.

The following resolution was also passed, embodying the principle already in practical operation, but not previously placed upon record :

That the graduates of Mary Institute in full standing shall be entitled to free admission to the classes of the College or Polytechnic School, either as regular or partial students, on examination, and subject to the rules and regulations of said departments : it being distinctly understood that a diploma shall not be given to any such student, except on completion of the full course of study.

# I.—THE ACADEMY.

---

## FACULTY AND INSTRUCTORS.

---

WM. G. ELIOT, D.D.,

CHANCELLOR.

DENHAM ARNOLD, A.M.,

PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

FRED. M. CRUNDEN, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.B.

HIRAM L. PEET, A.B.

JAMES A. LANIUS.

ISAAC N. CUNDALL, A.M.

CHARLES H. STONE.

HORACE A. BROWN, LL.B.

ELI R. OFFUTT.

WM. S. CURTIS, A.B.

HALSEY C. IVES.

WALDEMAR MALMENE.

MRS. ANNA B. HILLMAN.

MISS INEZ E. BORDEN.

MISS AMANDA FORD.

MISS LIZZIE W. LEIGH.

## STUDENTS.

## ADVANCED CLASS.

| NAMES.                        | RESIDENCE.               |
|-------------------------------|--------------------------|
| Bartels, Gustave Charles..... | Denver, Col.             |
| Bryan, Frank T., Jr.....      | 1405 Pine street.        |
| Case, Calvin M.....           | Baden, St. Louis county. |
| Hay, John.....                | Belleville, Ills.        |
| Hinckley, Walter Raleigh....  | Belleville, Ills.        |
| McPherson, Page.....          | 1701 Washington avenue.  |
| Mense, Charles W.....         | 3104 Morgan street.      |
| Ritterskamp, Louis, Jr.....   | 2341 State street.       |
| Shepley, John Foster.....     | 1518 Washington avenue.  |
| Thompson, George D.....       | 2333 Olive street.       |

Total 10.

## FIRST CLASS.

|                              |                                |
|------------------------------|--------------------------------|
| Adams, John.....             | 1545 Papin street.             |
| Breckinridge, John.....      | 2303 Olive street.             |
| Bryan, John H.....           | 1405 Pine street.              |
| Clark, Robert Stewart....    | 3006 Locust street.            |
| Crump, Poindexter.....       | St. Louis county.              |
| Donnan, Alexander Coe.....   | Carondelet.                    |
| Fritsch, Felix.....          | Cor. Ninth and Autumn streets. |
| Kaime, Edwin Francis.....    | Grand avenue.                  |
| McNeil, Gordon Charles.....  | 1806 Carr street.              |
| Monell, Joseph.....          | 319 North Seventh street.      |
| Picot, Eugene J.....         | 1210 Chambers street.          |
| Raab, Ernst P.....           | Belleville, Ills.              |
| Shapleigh, Richard Waldron.. | 1229 Washington avenue.        |
| Thomas, Benjamin F.....      | Central Township.              |
| Von Schrader, Otto.....      | 1315 Garrison avenue.          |
| Wulfig, Max.....             | 1919 Gratiot street.           |

Total, 16.

## SECOND CLASS.

| NAMES.                        | RESIDENCE.                     |
|-------------------------------|--------------------------------|
| Aderton, Joseph G.....        | 2651 Olive street.             |
| Aull, Wilson.....             | 1520 Lucas Place.              |
| Baron, Julius.....            | 1214 South Fifth street.       |
| Campbell, Hazlett K.....      | 1508 Lucas Place.              |
| Campbell, James A.....        | 1508 Lucas Place.              |
| Dryden, Nathaniel J.....      | 1112 Madison street.           |
| Fishback, Louis M.....        | .. Kirkwood.                   |
| Jackson, Edward F.....        | Washington ave., west of Grand |
| John, Rudolph.....            | 1804 South Ninth street.       |
| Kalb, Theodore.....           | 902 Gratiot street.            |
| Kennett, George C.....        | 2835 Pine street.              |
| Laffin, Sylvester H., Jr..... | 1218 Olive street.             |
| Papin, Theophile.....         | 2014 Olive street.             |
| Perkins, Nathan W., Jr.....   | 1503 Chestnut street.          |
| Sappington, Lewis A.....      | Sappington, Mo.                |
| Shepley, George F.....        | 1518 Washington ave.           |
| Turner, Henry V. J.....       | 1706 Lucas Place.              |

Total, 17.

## THIRD CLASS.

|                            |                                    |
|----------------------------|------------------------------------|
| Babcock, Wm. Lester.....   | S.E. cor. Lafayette & Jefferson av |
| Bain, Robert E. M.....     | Benton Place.                      |
| Bell, Ernest B.....        | 3623 Olive street.                 |
| Belt, Harry.....           | 3016 Locust street.                |
| Block, Robert C.....       | Aberdeen, Mo.                      |
| Bremermann, Robert G.....  | 928 Winter street.                 |
| Cameron, Edward Arthur.... | 1524 Mississippi ave.              |
| Carr, George A.....        | 1908 Wash street.                  |
| Chamberlain, Elliot H..... | 1819 Washington ave.               |
| Cobb, Addison M.....       | 1520 Pine street.                  |
| DeFoe, William F.....      | Manchester P. O.                   |
| Duffer, Charles H.....     | 425 South Fifteenth street.        |
| Filley, Augustus.....      | 1614 Olive street.                 |

| NAMES.                        | RESIDENCE.                      |
|-------------------------------|---------------------------------|
| Filley, William Joseph.....   | 1527 Lucas Place.               |
| Flake, Albert.....            | Galveston, Texas.               |
| Freligh, Louis H., Jr.....    | 1436 North Francis street.      |
| Gerdemann, Herman.....        | Pendleton, Mo.                  |
| Gibson, Charles B.....        | 2922 Olive street.              |
| Heermans, Henry P.....        | 1827 Washington avenue.         |
| Helfenstein, Philip, Jr.....  | Webster Groves, Mo.             |
| Helmerichs, Adolph G.....     | 1141 South Sixteenth street.    |
| Jackson, George R.....        | 1500 Pine street.               |
| Kaime, Benjamin E.....        | Grand ave., cor. Washington ave |
| Kaime, George James.....      | Grand ave., near Morgan street. |
| Klein, Fred. Ernst.....       | Belleville, Ills.               |
| Leathe, Samuel.....           | 2700 Lucas avenue.              |
| Leigh, Herbert.....           | 3214 Sheridan avenue.           |
| Malin, John H.....            | Laclede Hotel.                  |
| Mallinckrodt, Emil, Jr.....   | Central Township.               |
| Mason, Charles B.....         | 1208 Chambers street.           |
| McHatton, Charles G., Jr..... | 2131 Walnut street.             |
| Nulsen, Max August.....       | 1641 Missouri avenue.           |
| Page, Lewis.....              | 1918 North Twelfth street.      |
| Papin, George.....            | Webster Groves, Mo.             |
| Pfouts, James.....            | 3412 Morgan street.             |
| Pilley, Lytton W.....         | Iron Mountain, Mo.              |
| Rea, George Thomas.....       | 2707 Mill street.               |
| Russell, S. Bent.....         | Oak Hill, Mo.                   |
| Switzer, Robert J.....        | 1725 Washington avenue.         |
| Teichmann, Wm. Charles.....   | 1006 Hickory street.            |
| Utterback, Charles B.....     | 3014 Morgan street.             |
| Westermann, Alfred O.....     | 1926 Carr street.               |
| Willis, Fred Charles.....     | 1621 Washington avenue.         |
| Wiseman, Oliver F.....        | 3531 Chestnut street.           |
| Wyman, Arthur.....            | 3637 Lindell avenue.            |

Total, 45.

## FOURTH CLASS.

| NAMES.                         | RESIDENCE.                       |
|--------------------------------|----------------------------------|
| Adams, Frank E.....            | 1527 Pine street.                |
| Adams, Frank J.....            | 1545 Papin street.               |
| Baker, John L.....             | 1208 Washington avenue.          |
| Beakey, Edward James.....      | 1508 Washington avenue.          |
| Branch, Joseph C.....          | 3803 Bellefontaine road.         |
| Bryan, P. Taylor.....          | 1405 Pine street.                |
| Cavender, James S.....         | Benton Place.                    |
| Charles, Frank T.....          | 2229 Pine street.                |
| Christy, John K.....           | 3536 Morgan street.              |
| Clark, W. Glenn.....           | 1530 Washington avenue.          |
| Cline, George W., Jr.....      | 840 South Eighth street.         |
| Cole, John Watson .....        | Potosi, Mo.                      |
| Collins, Thomas Richeson....   | 2119 Eugenia street.             |
| Finch, Lewis Montrose.....     | 1114 Madison street.             |
| Fishback, George W., Jr.....   | Kirkwood.                        |
| Frederick, Wm. C.....          | 3112 Bell street.                |
| Gatzweiler, Arthur.....        | St. Charles.                     |
| Gazzam, Joseph Parker.....     | 2810 Pine street.                |
| Gildehaus, Henry William....   | 1910 Gratiot street.             |
| Glasgow, Julian K.....         | 1510 Washington avenue.          |
| Gregg, William H., Jr.....     | 2639 Pine street.                |
| Holloway, Frank W.....         | Manchester, Mo.                  |
| Hornthal, Emmanuel.....        | Vicksburg, Miss.                 |
| Houston, Frank M.....          | 2913 Morgan street.              |
| Irion, Paul.....               | Femme Osage, St. Chas. Co., Mo   |
| Kennnett, Kenneth Wilson....   | 2835 Pine street.                |
| Kinear, Hamilton E.....        | 3104 Locust street.              |
| Kroutinger, Alfred W., Jr..... | Mt. Vernon, Ala.                 |
| Lane, Presley Carr.....        | Pine street, beyond Grand ave.   |
| Mallinckrodt, Oscar.....       | Central P. O., St. Louis county. |
| McKittrick, Adam McM.....      | 1628 Pine street.                |
| Merrell, Hubert S.....         | 1207 Washington avenue.          |
| Moeller, John.....             | Waterloo, Ills.                  |
| Moore, John A.....             | 1221 St. Ange avenue.            |
| Nicholson, David.....          | 1108 Garrison avenue.            |
| Obear, Thomas S. ....          | Grand ave., near Lafayette ave.  |

| NAMES.                      | RESIDENCE.                      |
|-----------------------------|---------------------------------|
| Orr, William A.....         | Lafayette avenue.               |
| Otto, William J.....        | 1701 Wash street.               |
| Patrick, Warner K.....      | 1618 Washington avenue.         |
| Peper, Charles, Jr.....     | 1522 Morgan street.             |
| Plessner, Henry.....        | Holden, Mo.                     |
| Rosenheim, Alfred.....      | 3042 Locust street.             |
| Rumbold, Frank M.....       | 1205 Washington avenue.         |
| Scudder, William, Jr.....   | St. Louis Township.             |
| Shapleigh, Alfred Lee.....  | 1229 Washington avenue.         |
| Starkweather, Oakley B..... | Lafayette av. bet. May & Thomas |
| Stifel, Herman C.....       | 966 Chouteau avenue.            |
| Talmage, Charles H.....     | 2223 Lafayette avenue.          |
| Wakefield, Loren A.....     | Laclede Hotel.                  |
| Watson, John T., Jr.....    | 3022 Easton avenue.             |
| Whitelaw, Charles W.....    | Southern Hotel.                 |
| Willis, Charles L.....      | 413 North Eighth street.        |
| Withington, Arthur W.....   | 2816 Olive street.              |
| Woods, Samuel N.....        | Woodlawn, Mo.                   |
| Total, 54.                  |                                 |

## FIFTH CLASS.

| NAMES.                      | RESIDENCE.                    |
|-----------------------------|-------------------------------|
| Aglar, Frank B.....         | 2729 Olive street.            |
| Anderson, James W.....      | 3017 Easton avenue.           |
| Babbitt, Edwin B.....       | Jefferson Barracks.           |
| Baker, Jesse G.....         | 1208 Washington avenue.       |
| Bennett, Willie R.....      | 3406 Washington avenue.       |
| Bowen, William, Jr.....     | Laclede Hotel.                |
| Bremmermann, Charles M..... | 928 Winter street.            |
| Button, Alfred A.....       | 1402 North Fourteenth street. |
| Clarke, Alexander T.....    | 1120 Locust street.           |
| Colman, Frank P.....        | St. Louis Township.           |
| Dieckriede, Robert C.....   | 1613 Chouteau avenue.         |
| Givens, Joseph S.....       | 2909 Morgan street.           |
| Gordon, Robert C.....       | 2601 Olive street.            |
| Hager, August Wm.....       | 1301 Carondelet avenue.       |

| NAMES.                       | RESIDENCE.                    |
|------------------------------|-------------------------------|
| Herndon, Eddie L.....        | 2727 Morgan street.           |
| Hornthal, Moses.....         | Vicksburg, Miss.              |
| Koenig, Franklin O.....      | 1000 Sidney street.           |
| McCauseland, Henry W.....    | Cheltenham, Mo.               |
| McHatton, James A.....       | 2131 Walnut street.           |
| McLaran, Robert L.....       | 1628 Lucas Place.             |
| Mitchell, Samuel J., Jr ..   | 2036 Wash street.             |
| Obermeyer, Lewis.....        | 1801 Kennett Place.           |
| Offutt, Marshal M.....       | 2734 Thomas street.           |
| Perry, Richard E.....        | 719 Garrison avenue.          |
| Renick, Guy G.....           | 924 Chouteau avenue.          |
| Rose, Louis.....             | 2937 Hickory street.          |
| Samuel, Edward M.....        | 2341 Chestnut street.         |
| Simon, Charles Fitzhugh..... | 2821 Locust street.           |
| Singer, William .....        | 1311 LaSalle street.          |
| Stanard, William K.....      | 1417 Chouteau avenue.         |
| Stone, Cola E.....           | 1017 North Sixteenth street.  |
| Swift, Roswell B.....        | 2135 Eugenia street.          |
| Talmage, Harry A.....        | 2223 Lafayette avenue.        |
| Taussig, Walter M.....       | 1526 Mississippi avenue.      |
| Taylor, George R.....        | 1804 Lucas Place.             |
| Tower, George F., Jr.....    | Grand avenue. [Miss.          |
| Ward, James W.....           | Leota Landing, Washington Co. |
| Will, Samuel.....            | 1617 Dodier street.           |
| Total, 38.                   |                               |

## FIRST PREPARATORY SCIENTIFIC CLASS.

| NAMES.                       | RESIDENCE.                   |
|------------------------------|------------------------------|
| Andrews, Lewis P.....        | Carondelet, Mo.              |
| Aufferheide, Benjamin F..... | 922 North Fourteenth street. |
| Carr, Paschail.....          | 2735 Chestnut street.        |
| Clifford, Charles T.....     | Clarksville, Mo.             |
| Jacobs, Fred.....            | Jerseyville, Ills.           |
| McPike, William H.....       | New London, Ralls Co., Mo.   |
| Melcher, Charles W.....      | 2103 Clark avenue.           |
| Mills, Herbert Willis.....   | 2125 Pine street.            |
| Newington, Harry M.....      | 101 South Fifteenth street.  |
| Total, 9.                    |                              |

## SECOND PREPARATORY SCIENTIFIC CLASS.

| NAMES.                         | RESIDENCE.                  |
|--------------------------------|-----------------------------|
| Abend, Alexander P. E.....     | Belleville, Ills.           |
| Bryan, Kenneth.....            | Kirkwood.                   |
| Feickert, Julius.....          | Belleville Ills.            |
| Hazeltine, Wm. B., Jr.....     | 2731 Pine street.           |
| Loring, Fred. L.....           | 801 Mound street.           |
| McKinley, Andrew.....          | Southern Hotel.             |
| Olcott, Edward Samuel.....     | Webster Groves, Mo.         |
| Primm, L. J. Clawson.....      | Belleville, Ills.           |
| Ropiequet, Otto W.....         | Belleville, Ills.           |
| Smithers, Mellville Libby..... | 207 South Fifteenth street. |
|                                | Total, 10.                  |

## COMMERCIAL CLASS.

| NAMES.                         | RESIDENCE.                      |
|--------------------------------|---------------------------------|
| Bartlett, Andrew W.....        | 2312 Eugenia street.            |
| Block, William A.....          | 1632 Warren street.             |
| Blossom, Russell N.....        | 1349 Washington avenue.         |
| Crandall, Willard R.....       | 3431 Morgan street.             |
| Creveling, William Clement...  | 1425 Lucas Place.               |
| Fabian, Werner.....            | 1417 Park avenue.               |
| Gerdemann, August.....         | Cappeln, Mo.                    |
| Gilbert, Matthew J.....        | Tony street, near Park avenue.  |
| Gildehaus, Richard F.....      | 1910 Gratiot street.            |
| Hayward, Harry E.....          | 1833 Wash street.               |
| Hirschberg, Louis, jr.....     | 1308 Olive street.              |
| Johnston, Edward M.....        | 2714 Dayton street.             |
| Keferstein, William Louis..... | 1128 St. Ange avenue. [street.  |
| Leonhardt, Ernst F. A.....     | Cor. 2d Carondelet av. & Victor |
| McHatton, Robert L.....        | 2131 Walnut street.             |
| McLeod, John G.....            | 2727 Dayton street.             |
| Oeters, George Casper.....     | 209 South Main street.          |
| Robbins, James L.....          | Atchison, Kansas.               |
| Scholer, Maxwell.....          | 3002 Cass avenue.               |
| Tilden, Charles.....           | 2909 Lucas avenue.              |
| Whitmore, Fred. M.....         | Quincy, Ills.                   |
|                                | Total, 21.                      |

## PREPARATORY CLASS.

| NAMES.                       | RESIDENCE.                    |
|------------------------------|-------------------------------|
| Ames, Henry Semple.....      | 1615 Lucas Place.             |
| Anderson, Arthur.....        | 1631 Carr street.             |
| Bain, George Grantham.....   | Benton Place.                 |
| Bosworth, Chas. Eben.....    | 2109 Eugenia street.          |
| Capen, Samuel D.....         | 1520 Olive street.            |
| Chambers, James Harry.....   | 1605 Washington av.           |
| Cruikshank, Geo. A.....      | Elleardsville P. O.           |
| Denny, Albert J.....         | Rock Springs, Mo.             |
| Dent, Wm. B.....             | 3407 Washington avenue.       |
| Gordon, Lindell.....         | 2601 Olive street.            |
| Grindon, Arthur T.....       | 2311 Market street.           |
| Hodges, Abel B. W.....       | 2115 Walnut street.           |
| Jacobs, Michaelis E .....    | 3142 Locust street.           |
| January, Derrick A.....      | 1137 Washington avenue.       |
| Lefmann, Julius H.....       | 913 N. Market street.         |
| Lewis, Augustus Gaylord..... | 2909 Franklin avenue.         |
| Logan, Floyd T.....          | 620 Beaumont street.          |
| McDonald, Malcolm.....       | 200 N. Eighth street.         |
| McKittrick, Geo. H.....      | 1628 Pine street.             |
| McKittrick, Thomas.....      | 1119 Washington avenue.       |
| McNeil, Wm. E.....           | 1806 Carr street.             |
| Murdock, John J., Jr.....    | Laclede Station.              |
| Pegram, Frank R.....         | 1321 Chouteau avenue.         |
| Petring, Geo. Henry.....     | 1709 Wash street.             |
| Roeder, Louis.....           | Freeburg, St. Clair Co., Ill  |
| Roos, Wm. E.....             | 1021 S. Twelfth street.       |
| Rose, Henry.....             | 2937 Hickory street.          |
| Smith, Irwin Z.....          | 2702 Olive street.            |
| Tilden, Grant.....           | 2909 Lucas avenue.            |
| Turner, Wilson P. H .....    | 1706 Lucas Place.             |
| Von Schrader, George.....    | 1315 Garrison avenue.         |
| Wall, Nicholas Roe.....      | 3139 Lucas avenue.            |
| Ward, Junius R.....          | Leota Landing, Washington Co. |
| Whitelaw, George G.....      | Southern Hotel. [Miss.        |
| Winter, Ruffin S.....        | 1131 St. Ange avenue.         |

| NAMES.                 | RESIDENCE.            |
|------------------------|-----------------------|
| Wiseman, Arthur A..... | 3531 Chestnut street. |
| Zukoski, Edmund L..... | 2709 Dayton street.   |
| Total, 37.             |                       |

## PRIMARY CLASS.

| NAMES.                       | RESIDENCE.                        |
|------------------------------|-----------------------------------|
| Ames, Edgar.....             | 1605 Lucas Place.                 |
| Anderson, Louie A. ....      | 3017 Easton avenue.               |
| Baker, Frank.....            | 1208 Washington avenue.           |
| Baker, Levin H.....          | Cor. 13th and Washington av.      |
| Bartholow, Russell N.....    | 3144 Locust street.               |
| Bogy, Bernard P.....         | 1610 Lucas Place.                 |
| Bogy, Louis V., Jr.....      | 1610 Lucas Place.                 |
| Brackett, Darville S. A..... | 1309 Washington avenue.           |
| Carter, Henry.....           | St. Louis Township.               |
| Cavender, Edward R.....      | Benton Place.                     |
| Chamberlain, Fred. B.....    | 1819 Washington avenue.           |
| Clark, Rufus L.....          | 1530 Washington avenue.           |
| Clemens, James.....          | Cor. 20th and Cass avenue.        |
| Colburn, Walter B.....       | 310 N. Eleventh street.           |
| Collins, Horace C.....       | 2119 Eugenia street.              |
| Cook, Isaac, Jr.....         | Southern Hotel.                   |
| Cundall, Walter A.....       | 1919 Biddle street.               |
| Davis, John T., Jr.....      | 3131 Lucas avenue.                |
| Dougherty, James E.....      | 2716 Olive street.                |
| Felt, Wm. S.....             | Lindell Hotel.                    |
| Filley, Victor G.....        | 1527 Lucas Place.                 |
| Gordon, Clarence M.....      | 2601 Olive street.                |
| Grindon, Alfred J.....       | 2711 Market street.               |
| Harney, Benjamin.....        | 1426 Lucas Place.                 |
| Hebard, Alfred P.....        | 1618 Olive street.                |
| Jacobs, Morris.....          | 3142 Locust street.               |
| Kaime, Wm. W.....            | Grand avenue.                     |
| Lackland, Henry K.....       | 2706 Lucas avenue.                |
| Leighton, Geo. B.....        | Glendale, Mo.                     |
| Macqueen, Alexander N.....   | Park av., west of Mississippi av. |

| NAME.                          | RESIDENCE.                |
|--------------------------------|---------------------------|
| Malmene, Chas. W.....          | 1635 Washington avenue.   |
| Maude, Lees.....               | 1731 Washington avenue.   |
| McDonald, Nathaniel.....       |                           |
| McIlhany, Richard B.....       | 2734 Thomas street.       |
| McLaran, James O.....          | 1628 Lucas Place.         |
| Murdock, George.....           | Laclede Statlon.          |
| O'Fallon, Frank M.....         | Lindell Hotel.            |
| Peper, Adolph S. ....          | 1522 Morgan street.       |
| Richards, Eben 3d.....         | 1803 Washington avenue.   |
| Ridgely, Samuel W. ....        | 2631 Washington avenue.   |
| Russell, Charles M.....        | Oak Hill, Mo.             |
| Russell, Daniel R.....         | Oak Hill, Mo.             |
| Russell, Edward M.....         | Oak Hill, Mo.             |
| Samuel, Wm. R.....             | 2341 Chestnut street.     |
| Simpkins, Allan S.....         | 1107 Dillon street.       |
| Smith, Baron P.....            | Carondelet.               |
| Steedman, James H.....         | 1125 Washington avenue.   |
| Stone, Percy W.....            | 1017 N. Sixteenth street. |
| Storer, Frank D.....           | 3015 Locust street.       |
| Taylor, Walter C.....          | 1804 Lucas Place.         |
| Thompson, Frank C.....         | Lindell Hotel.            |
| Van Studdiford, Chas. D. K.... | 1623 Olive street.        |
| Walker, Benjamin ....          | 1629 Chestnut street.     |
| Walker, George.....            | 1629 Chestnut street.     |

Total, 54.

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## ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle, or end of

the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic School of the University.

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## ACADEMIC COURSE OF STUDY.

## FOURTH CLASS.

- Mathematics*.—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.  
*Geography*.—Warren's Common School.  
*History*.—Anderson's.  
*English Grammar*.—Green's Introductory.  
*Latin*.—Harkness's Introductory Latin Book.  
*Reading, Writing and Spelling; Composition*.

## THIRD CLASS.

## FIRST TERM.

- Mathematics*.—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.  
*Latin*.—Harkness's Introductory Latin Book.  
*English Grammar*.—Parsing and Analysis.  
*Reading, Writing and Spelling; Composition and Declamation*.

## SECOND TERM.

- Mathematics*.—Walton's Higher Arithmetic.  
*Grammar*.—Parsing and Analysis.  
*Latin*.—Harkness's Latin Reader.  
*Reading, Writing and Spelling; Composition and Declamation*.

## SECOND CLASS.

## FIRST TERM.

- Geography*.—Warren's Physical Geography.  
*Latin*.—Harkness's Cæsar.  
*Greek*.—Harkness's First Greek Book.  
*Writing and Spelling; Composition and Declamation*.

## SECOND TERM.

*Mathematics.*—Walton's Higher Arithmetic.

*Latin.*—Harkness's Cæsar.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## FIRST CLASS.

## FIRST TERM.

*Physiology.*—Dalton's.

*Latin.*—Harkness's Cæsar.

*Greek.*—Harkness's First Greek Book; Felton's Greek Reader.

*History.*—English History.

*German.*—Otto's German Grammar.

*Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Greenleaf's Algebra.

*Latin.*—Æneid of Virgil.

*Greek.*—Felton's Greek Reader.

*History.*—English History.

*German.*—Comfort's German Reader.

*Composition and Declamation.*

## ADVANCED CLASS.

## FIRST TERM.

*Latin.*—Æneid of Virgil.

*Greek.*—Felton's Greek Reader; Greek Composition.

*Mathematics.*—Greenleaf's Algebra.

*German.*—Maria Stuart.

*History.*—Smith's Smaller Greece.

*Composition and Declamation.*

## SECOND TERM.

*Latin.*—Cicero's Orations; Latin Prose Composition.

*Greek.*—Anabasis; Greek Prose Composition.

*Mathematics.*—Chauvenet's Geometry, three books.

*German.*—William Tell.

*History.*—Smith's Smaller Rome.

*Composition and Declamation.*

## PREPARATORY SCIENTIFIC CLASS.

### FIRST TERM.

*Algebra.*—Greenleaf's Elementary.

*Physiology.*—Dalton's.

*German.*—Otto's Grammar; Comfort's German Reader.

*History.*—English History.

*Composition and Declamation.*

*Geometry and Mechanical Drawing.*

### SECOND TERM.

*Algebra.*—Greenleaf's Elementary, through Quadratics.

*Geometry.*—Chauvenet's three books.

*Philosophy.*—Rolfe and Gillet's.

*History.*—English History.

*German.*—William Tell.

*Geometry and Mechanical Drawing.*

*Composition and Declamation.*

## COMMERCIAL CLASS.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of the Academy, and classes are trained by a competent instructor.

## EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, public examinations are held at the close of each Academic term.

No student will be admitted to an advanced standing except upon examination.

## MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing, and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                  |         |
|--------------------------------------------------|---------|
| Primary Class, per term of 20 weeks.....         | \$25 00 |
| Preparatory " " " .....                          | 30 00   |
| Fourth " " " .....                               | 35 00   |
| Third " " " .....                                | 37 50   |
| Second " " " .....                               | 40 00   |
| First " " " .....                                | 42 00   |
| Advanced " " " .....                             | 45 00   |
| Commercial " " " .....                           | 50 00   |
| Preparatory Scientific, per term of 20 weeks.... | 50 00   |

These rates are for the current year only.

*No extra charge of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.*

## II.—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1859, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home. for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics, and the Natural Sciences, will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic School of the University.

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### BOARD OF MANAGERS.

WM. G. ELIOT, D.D.,  
HUDSON E. BRIDGE,  
JOHN R. SHEPLEY,

HENRY HITCHCOCK,  
GEORGE PARTRIDGE,  
CARLOS S. GREELEY.

## FACULTY.

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- WM. G. ELIOT, D.D., *Chancellor.*  
CALVIN S. PENNELL, A.M., *Principal.*  
Miss MARY S. WATKINS.  
Miss HENRIETTA SAWYER.  
Miss MARGARET T. WALLACE.  
Miss FLORENCE K. HOLDEN.  
Miss SARAH E. COLE.  
Miss MARY E. GLIDDEN.  
Miss ANNIE WALL.  
Miss JULIA F. RIPLEY.  
Miss CAROLINE M. PEASE.  
Mrs. ANNIE L. McCARGO.  
Miss HELEN E. SEAVEY.  
Miss ANNA FLINTHAM.  
MADAME LOUISE GRANDJEAN.  
Mrs. KATE JONES BRAINERD.  
Miss SARAH M. MILLS.  
Mrs. JULIA M. TOWNSLEY.

## STUDENTS.

## SENIOR ADVANCED CLASS.

| NAME.                   | RESIDENCE       |
|-------------------------|-----------------|
| Desloge, Clara.....     | Benton Place.   |
| Desloge, Zoe.....       | Benton Place.   |
| Johnson, Emilie D ..... | 921 Pine street |
| Wyman, Florence.....    | Lindell avenue. |
| Total, 4.               |                 |

## JUNIOR ADVANCED CLASS.

|                         |                              |
|-------------------------|------------------------------|
| Allen, Annie L.....     | 1414 Lucas Place.            |
| Ballenger, Emma S.....  | 2706 Dayton street.          |
| Breed, Hermione.....    | 2720 Washington avenue       |
| Clark, Anna M.....      | 2653 Washington avenue.      |
| Dunnica, Sadie.....     | 1307 Pine street.            |
| Horton, Carrie B.....   | Lindell, above Grand avenue. |
| Kellogg, E. Louise..... | 1233 Washington avenue.      |
| Scollay, Josephine..... | 3030 Washington avenue.      |
| Total, 8.               |                              |

## FIRST ACADEMIC CLASS.

|                             |                                 |
|-----------------------------|---------------------------------|
| Groshon, Nellie.....        | Webster.                        |
| Holman, Mary E.....         | Page av., bet. Spring & Prairie |
| Kribben, Edith W.....       | 923 Amelia avenue.              |
| Miller, Katie.....          | 3423 Washington avenue.         |
| Pegram, Minnie S.....       | 1321 Chouteau avenue.           |
| Pulsifer, Nellie E.....     | Kennett Place.                  |
| Sellar, Marie E. A.....     | 2218 Chestnut street.           |
| Shackelford, Genevieve..... | 2721 Locust street.             |
| Vallé, Jessie A.....        | 2710 Washington avenue.         |
| Total, 9.                   |                                 |

## SECOND ACADEMIC CLASS.

| NAMES.                       | RESIDENCE.                      |
|------------------------------|---------------------------------|
| Belcher, Lucy Virginia.....  | 1009 Chouteau avenue.           |
| Bennett, Jennie S.....       | 3406 Washington avenue.         |
| Block, Lucretia M.....       | 2637 Pine street.               |
| Bremermann, Helen A.....     | 928 Winter street.              |
| Brooks, Josie C.....         | 1216 Pine street.               |
| Farrar, Agnes K.....         | N.E. cor. Lucas Place & 15th st |
| Glasgow, Sarah L.....        | 3016 Glasgow Place.             |
| Jennings, Clara G.....       | 1515 Chestnut street.           |
| Jewett, Mary.....            | 2918 Morgan street.             |
| Pettes, Nellie G... ..       | 2812 Locust street.             |
| Pollock, Nora.....           | 1103 Vallé avenue.              |
| Powell, Lennie.....          | 2712 Lucas avenue.              |
| Sparr, Amie D.....           | 1332 Chouteau avenue.           |
| Swanwick, Nannie T.....      | 1626 Dodier street.             |
| Thornburgh, Sallie L. F..... | 3534 Washington avenue.         |
| Whitely, Evelyn A.....       | 1505 Spruce street.             |
|                              | Total, 16.                      |

## THIRD ACADEMIC CLASS.

|                             |                             |
|-----------------------------|-----------------------------|
| Bain, C. Louise.....        | Benton Place.               |
| Bent, Mary L.....           | 717 Garrison avenue.        |
| Chase, Ida W.....           | Grand avenue.               |
| Claiborne, Nathalie.....    | 3341 Morgan street.         |
| Clapp, Lillie F.....        | 1527 Lucas Place.           |
| Clark, Lizzie P.....        | 1530 Washington avenue.     |
| Colcord, Fannie C....       | 2800 Morgan street.         |
| Dodd, Mary L.....           | 1705 Washington avenue.     |
| Fell, Ida B.....            | 2907 Laclede avenue.        |
| Fogg, Mary L.....           | 1330 Washington avenue.     |
| Gage, Fannie S.....         | McClure avenue, near Grand. |
| Hargadine, Julia.....       | 1416 Washington avenue.     |
| Jackson, Annie M.....       | 1500 Pine street.           |
| Libby, Cora.....            | 2628 Washington a, enue.    |
| Lionberger, Mary A.....     | 1601 Olive street.          |
| Miltnerberger, Katie C..... | 1207 Chouteau avenue.       |

| NAME                     | RESIDENCE.              |
|--------------------------|-------------------------|
| Orr, Katie M.....        | Compton Hill.           |
| Richards, Grace.....     | 1803 Washington avenue. |
| Runyan, Mary D.....      | West Belleville, Ills.  |
| Stillwell, Sallie H..... | 2604 Olive street.      |
| Sylvester, Helen L.....  | 2305 Walnut street.     |
| Talmage, Nellie E.....   | 2223 Lafayette avenue.  |

Total, 22.

## FOURTH ACADEMIC CLASS.

|                           |                                  |
|---------------------------|----------------------------------|
| Beattie, Annie.....       | 2007 Eugenia street.             |
| Breed, Susie P.....       | 2720 Washington avenue.          |
| Cooper, Grace Susan.....  | 1117 Chestnut street.            |
| Day, Anna C.....          | 2737 Locust street.              |
| Dedman, M. Allien.....    | Webster.                         |
| Dryden, Mary C.....       | Cor. California ave. & Miami st. |
| Finch, Julia B.....       | 1114 Madison street.             |
| Gregg, Clara J.....       | 2639 Pine street.                |
| Harrison, Brianna L.....  | 2821 Morgan street.              |
| Hemple, Annie C.....      | 2703 Lucas avenue.               |
| Hinde, Vernetta.....      | Caroline ave., Côté Brillante.   |
| Holland, Mary M.....      | Glendale.                        |
| Lackland, Daisy.....      | 1623 Lucas Place.                |
| Lightburne, Fannie.....   | 3535 Carondelet avenue.          |
| Lightner, Mary E.....     | 1637 Washington avenue.          |
| Manny, Belle.....         | 2710 Olive street.               |
| M'Laran, Ella.....        | 1628 Lucas Place.                |
| Morehead, Ida M.....      | 3035 Washington avenue.          |
| Moulton, Mellie J.....    | 2614 N. Ninth street.            |
| Rumbold, Mildred E.....   | 1205 Washington avenue.          |
| Scott, Lulu Q.....        | 3018 Lucas avenue.               |
| Simon, May R.....         | 2821 Locust street.              |
| Sproule, Annie J.....     | 2212 Olive street.               |
| Stanford, Alice M.....    | 1615 Olive street.               |
| Thornburgh, Jennie R..... | 3534 Washington avenue.          |
| Tower, Nellie P.....      | Grand av., bet. Lafayette and    |
| Vallé, Julia.....         | 1516 Lucas Place. [Park av.      |
| Wall, Lulu B.....         | 2702 Locust street.              |
| Wickham, Fanny G.....     | 1712 Lucas Place.                |

Total, 29.

## FIFTH ACADEMIC CLASS.

| NAMES.                      | RESIDENCE.                  |
|-----------------------------|-----------------------------|
| Anderson, L. Josephine..... | 1033 Chouteau avenue.       |
| Barret, Martha M.....       | 2930 Locust street.         |
| Bent, Lucy R.....           | 717 Garrison avenue         |
| Blow, Eliza A. W.....       | 2927 Pine street.           |
| Chauvin, Lucille M.....     | 1308 Olive street.          |
| Colman, Laura K.....        | Olive-street Road.          |
| Eisenstadt, Jennie.....     | 3142 Locust street.         |
| Hayward, Fanita.....        | 1833 Carr Place.            |
| Herndon, Jennie L .....     | Papin av., Côté Brilliante. |
| Hermann, Adelaide T.....    | 2626 Olive street.          |
| Johnson, Nancy L.....       | 921 Pine street.            |
| Keiler, Elizabeth.....      | 1131 Washington avenue.     |
| Kimball, Ninette.....       | 1103 Paul street.           |
| McPheeters, Sallie G.....   | 1000 Olive street.          |
| Newman, Lemira M.....       | 3037 Washington avenue.     |
| Orr, Belle L.....           | Compton Hill.               |
| Pegram, Ida.....            | 1321 Chouteau avenue.       |
| Powell, Edith.....          | 2712 Lucas avenue.          |
| Reed, Lizzie L.....         | 2910 Pine street.           |
| Rutherford, Lucile Z.....   | 2808 Locust street.         |
| Schrader, Julia von.....    | 1315 Garrison avenue.       |
| Sparr, Fannie.....          | 1332 Chouteau avenue.       |
| Speck, Ella I. F.....       | 1206 Morrison avenue.       |
| Swain, Lillie I. ....       | 1203 Chambers street.       |
| Switzer, Eugenia.....       | 1725 Washington avenue.     |
| Teasdale, Lucy Byrd .....   | 1223 St. Ange avenue.       |
| Vallé, Ida M.....           | 1516 Lucas Place.           |
| Walls, Cora.....            | Greenville, Ill.            |
| White, Mollie A .....       | 2626 Mill street.           |
| Whitman, Hattie.....        | 3139 Lucas avenue.          |
| Total, 30.                  |                             |

## FIRST PREPARATORY CLASS.

|                        |                      |
|------------------------|----------------------|
| Ames, Ada Simple.....  | 1615 Lucas Place.    |
| Baker, Lizzie F.....   | 2704 Morgan street.  |
| Bartlett, Abbie T..... | 2312 Eugenia street. |

| NAME.                    | RESIDENCE.                       |
|--------------------------|----------------------------------|
| Bondurant, Myrah G.....  | 2714 Lucas avenue.               |
| Campbell, Cora E.....    | 2918 Washington avenue.          |
| Clover, Mary M.....      | 2116 Clark avenue.               |
| Cooper, May G.....       | 1117 Chestnut street.            |
| Day, Carolyn B.....      | 1703 Olive street.               |
| Field, Lillie C.....     | 3013 Thomas street.              |
| Filley, Anna K.....      | 1614 Olive street.               |
| Finch, Alice L.....      | 1114 Madison street.             |
| Greene, Julia M.....     | 19 S. Fifteenth street.          |
| Gumersell, Ida B.....    | 2837 Morgan street.              |
| Hargadine, Mary McC..... | 1416 Washington avenue.          |
| Holman, Lucy E.....      | Page av., bet. Spring & Prairie. |
| Horton, Katie M.....     | Lindell av., above Grand.        |
| Howard, Katie.....       | 2700 Locust street.              |
| Huntington, Grace T..... | 3202 Olive street.               |
| Jouett, Mary L.....      | 1424 Olive street.               |
| Kimbrough, Katie E.....  | 2730 Morgan street.              |
| Lewis, Sallie.....       | 3014 Morgan street.              |
| Liggett, Cora B.....     | 2921 Locust street.              |
| Logan, Mary E.....       | 1510 N. 15th street.             |
| McPherson, Sophie E..... | 1701 Washington av.              |
| Parks, Alma J.....       | Summit av., S. of Chouteau.      |
| Peper, Maggie P.....     | 1522 Morgan street.              |
| Poujaud, Anita.....      | 1423 Pine street.                |
| Shepley, Mary L.....     | 1518 Washington avenue.          |
| Sherman, Edith B.....    | 2633 Locust street.              |
| Shultz, Mary J.....      | 1201 Garrison av.                |
| Smith, Lillie K.....     | Carondelet.                      |
| Wainwright, Katie A..... | 1121 Morrison avenue.            |
| Walker, Alby M.....      | 2920 Pine street.                |
| Woodburn, Ella M.....    | 3024 Belle street.               |

Total, 34.

## SECOND PREPARATORY CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Baker, Clara Bell.....   | 1330 Washington avenue. |
| Bernard, Lucia W.....    | 1122 Ham street.        |
| Bogy, Julia A.....       | 1610 Lucas Place.       |
| Bondurant, Louise C..... | 2714 Lucas avenue.      |

| NAMES.                       | RESIDENCE.                      |
|------------------------------|---------------------------------|
| Cooper, Laura B.....         | 1117 Chestnut street.           |
| Eliot, Rose.....             | 2660 Washington avenue.         |
| Gibson, Elizabeth R.....     | Cor. Lafayette av. & Easton Pl. |
| Gibson, Louisa K.....        | 618 Beaumont street.            |
| Gumersell, Louisa B.....     | 2837 Morgan street.             |
| Holmes, Laura.....           | 1914 Wash street.               |
| Huntington, Mattie E.....    | 3202 Olive street.              |
| Logan, Alida F.....          | 1510 N. 15th street.            |
| Louderman, Georgianna C..... | Southern Hotel.                 |
| Maurice, Mary A.....         | Park av., bet. Mo. & Armstrong. |
| Plant, Carrie A.....         | 3008 Lucas avenue.              |
| Richards, Carrie L.....      | 1803 Washington avenue.         |
| Scott, Carrie C.....         | 3018 Lucas avenue.              |
| Spinzig, Frances.....        | 1200 South Fifth street.        |
| Willis, Lillian S.....       | 1621 Washington avenue.         |
| Total, 19.                   |                                 |

## THIRD PREPARATORY CLASS.

|                         |                                  |
|-------------------------|----------------------------------|
| Allen, Alice Maud.....  | 1414 Lucas Place.                |
| Betts, Carrie.....      | 2129 Walnut street.              |
| Bremermann, Clara.....  | 928 Winter street.               |
| Bridge, Amy.....        | Glendale.                        |
| Copelin, Emma R.....    | Compton Hill.                    |
| Evans, Laura A.....     | 2814 Locust street.              |
| Fell, Edith C.....      | 2905 Laclede avenue.             |
| Gordon, Lillie.....     | 2601 Olive street.               |
| Johnston, Annie E....   | Prairie av., bet. Evans & Easton |
| Kaime, Mary L.....      | Cor. Grand av. and Morgan st.    |
| Kennett, Lucy S.....    | 1504 Washington avenue.          |
| Lewis, Hattie E.....    | 1015 Compton avenue.             |
| Mackenzie, Georgie..... | 1510 Walnut street.              |
| McKittrick, Jane E..... | 1628 Pine street.                |
| McLaughlin, Stella..... | 922 Locust street.               |
| Noland, Nellie .....    | 3148 Locust street.              |
| Owen, Addie C.....      | 2647 Washington avenue.          |
| Reber, Maud.....        | 3012 Lucas avenue.               |
| Smith, Hettie W.....    | 1118 St. Ange avenue.            |

| NAMES.                  | RESIDENCE.         |
|-------------------------|--------------------|
| Tennent, Zaidee.....    | 3016 Lucas avenue. |
| Thornton, Sallie H..... | 1813 Olive street. |
| Whitman, Jessie L.....  | 3139 Lucas avenue. |
| Total, 22.              |                    |

## FOURTH PREPARATORY CLASS.

|                            |                               |           |
|----------------------------|-------------------------------|-----------|
| Ames, Mary Semple.....     | 1615 Lucas Place.             |           |
| Beach, Alice E.....        | 3024 Franklin avenue.         |           |
| Benton, Katie S.....       | 1604 Lucas Place.             |           |
| Berchermann, Lillie M..... | 928 Winter street.            |           |
| Brown, Cynthia M.....      | Fairview, Mo.                 | [avenues. |
| Kaime, Fannie I.....       | N. E. cor. Washington & Grand |           |
| Kehlor, Carrie E.....      | 3002 Pine street.             |           |
| Liggett, Ella D.....       | 2921 Locust street.           |           |
| McLaran, Mary Alice.....   | 1628 Lucas Place.             |           |
| Moore, Bettie W.....       | 2606 Gamble street.           |           |
| Perry, Laura.....          | 719 Garrison avenue.          |           |
| Powell, Emma W.....        | 2712 Lucas avenue.            |           |
| Rogers, Mary A.....        | 1220 Olive street.            |           |
| Smucker, Belle.....        | 1115 Washington avenue.       |           |
| Taylor, Louisa K.....      | Lucas Place.                  |           |
| Total, 15.                 |                               |           |

## PRIMARY CLASS.

|                               |                         |
|-------------------------------|-------------------------|
| Bartlett, Harriet G.....      | 2312 Eugenia street.    |
| Beck, Ada Isabel.....         | Lindell Hotel.          |
| Beck, Julia.....              | Lindell Hotel.          |
| Bennett, Cornelia Ellen ..... | 3406 Washington avenue. |
| Benton, Lucy B.....           | 1604 Lucas Place.       |
| Boyd, Lulu C.....             | 2129 Eugenia street.    |
| Boyd, Margaret C.....         | 2129 Eugenia street.    |
| Boyle, Lena S.....            | 1302 Washington avenue. |
| Britton, Sarah.....           | 3409 Morgan street.     |
| Broadhead, Nannie D.....      | Lafayette avenue.       |
| Capen, Fannie I.....          | 1520 Olive street.      |
| Chamberlain, Harriet E.....   | 1819 Washington avenue. |
| Clark, Virginia L.....        | 1530 Washington avenue. |

| NAVES.                       | RESIDENCE.                     |
|------------------------------|--------------------------------|
| Clemens, Lillie.....         | Cor. 21st street and Cass ave. |
| Cole, Rachel H.....          | 1728 Lucas Place.              |
| Corbitt, Sallie M.....       | 1812 Wash street.              |
| Gregg, Julia.....            | 2639 Pine street.              |
| Gregg, Ora L.....            | 2639 Pine street.              |
| Harrison, Medora S.....      | 2821 Morgan street.            |
| Holmes, Susie.....           | 1914 Wash street.              |
| January, Edith.....          | 1137 Washington avenue.        |
| January, Jeanette.....       | 1137 Washington avenue.        |
| January, Mary B.....         | 1137 Washington avenue.        |
| Johnson, Eugenia V.....      | 921 Pine street.               |
| Johnson, Lizzie L.....       | 921 Pine street.               |
| Kauffmann, Frances P.....    | 2816 Adams street.             |
| Kittredge, Jeanette Y.....   | 1906 Wash street.              |
| Lackland, Mary S.....        | 2706 Lucas avenue.             |
| Lee, Ellen D.....            | 3025 Morgan street.            |
| McKittrick, Martha.....      | 1119 Washington avenue.        |
| McPheeters, Fannie W.....    | 1000 Olive street.             |
| Moore, Cleon D.....          | 1401 Morgan street.            |
| Niccolls, May.....           | 2651 Washington avenue.        |
| O'Fallon, Caroline Ruth..... | Lindell Hotel.                 |
| Patrick, Clara M.....        | 1618 Washington avenue.        |
| Pearson, Grace B.....        | 1525 Carr street.              |
| Price, Lucy R.....           | Shaw's Park.                   |
| Richards, Ellen.....         | 2608 Locust street.            |
| Shepley, Annie.....          | 1518 Washington avenue.        |
| Smith, Lizzie W.....         | 1118 St. Ange avenue.          |
| Sterling, Alma.....          | 1318 Chouteau avenue.          |
| Sterling, Hildegard.....     | 1318 Chouteau avenue.          |
| Stottlemeyer, Minnie B.....  | 1912 Wash street.              |
| Taylor, Agnes R.....         | 1804 Lucas Place.              |
| Teasdale, J. Mary.....       | 2303 Park avenue.              |
| Tennent, Mary C.....         | 3016 Lucas avenue.             |
| Wickham, Lucy C.....         | 1712 Lucas Place.              |
| Williams, Annie.....         | 2930 Laclede avenue.           |
| Woodson, Julia M.....        | 2817 Morgan street.            |
| Wright, Annie M.....         | Laclede Hotel.                 |
| Wright, Blanche L.....       | Laclede Hotel.                 |
| Young, Laura W.....          | 2117 Pine street.              |

[Total, 52.]

## COURSE OF STUDY.

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### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

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### PREPARATORY DEPARTMENT.

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#### FOURTH PREPARATORY CLASS.

##### FIRST TERM.

*English Language*.—Reading and Spelling.

*Geography*.—Warren's Elementary.

*Mathematics*.—Felter's Primary Arithmetic; Federal Money.

*Writing*.—Begun and continued through the course.

*Drawing*.—Begun and continued through the course.

*French*.—Chouquet's First Lessons.

*Vocal Music*.—Begun and continued through the course.

##### SECOND TERM.

*English Language*.—Reading and Spelling.

*Geography*.—Guyot's Intermediate; Blackboard Exercises.

*Mathematics*.—Felter's Intermediate Arithmetic.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Elementary Instruction continued.

## THIRD PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps.

*Mathematics* — Felter's Intermediate Arithmetic; Stoddard's Intellectual.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—As found in History of the United States.

*History.*—Read Berard's United States.

*Mathematics.*—Written Arithmetic; Oral continued.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Text Book, with Drawing Maps on the Blackboard.

*History.*—Read Sewell's History of Rome.

*Mathematics.*—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French.*—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Guyot's Intermediate reviewed.

*History.*—Read Sewell's History of Rome.

*Mathematics.*—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French.*—Chouquet's First Reader; Florian.

## FIRST PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*Physiology*.—House I Live in.

*History*.—Anderson's United States; Geography.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate.

*French*.—Chouquet's First Reader; Florian; Masson's Dictionary in this and the following classes.

## SECOND TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*History*.—Anderson's United States; Geography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

*French*.—Chouquet's First Reader; Florian.

## ACADEMIC DEPARTMENT.

## FIFTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.

*Geography*.—Guyot's Common School.

*History*.—Read Dickens's England.

*Mathematics*.—Oral and Written Arithmetic.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Reading, Spelling and Defining.

*Grammar*.—Analysis of Sentences.

*History*.—Dickens's History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Written Arithmetic, with written explanations.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

#### FOURTH ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Grammar reviewed.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

##### SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic; Algebra begun.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Solfeggio Singing and Vocalization.

#### THIRD ACADEMIC CLASS.

##### FIRST TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness's Grammar and Reader.

*Physiology*.—Huxley and Youman's.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Music*.—Solfeggio Singing and Vocalization.

*Drawing*.—Study of Dimension, in straight lines, angles, and curves.

## SECOND TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra; Principles of Arithmetic renewed, with Problems.

*Latin*.—Grammar and Reader; Cæsar.

*Natural History*.—Botany.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Drawing*.—Study of Form; Sketching.

*Music*.—Solfeggio Singing and Vocalization.

## SECOND ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Shaksperian Reader.

*Mathematics*.—Geometry.

*Latin*.—Sallust; Antiquities.

*Physics*.—Natural Philosophy.

*Rhetoric*.—Hart's Composition and Rhetoric; English Grammar reviewed.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade; Sketching simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

## SECOND TERM.

*English Language*.—Shaksperian Reader; Trench's Study of Words.

*Mathematics*.—Geometry.

*Latin*.—Ovid; Cicero; Mythology.

*History*.—Review United States.

*Chemistry*.—Nichol's Abridgment of Eliot & Storer's Elements.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade from simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

## FIRST ACADEMIC CLASS.

## FIRST TERM.

- English Language*.—Shaksperian Reader.  
*History*.—Student's Hume.  
*Belles-Lettres*.—Collier's English Literature.  
*Geography*.—Review.  
*Astronomy*.—Lockyer's Elementary.  
*Latin*.—Æneid continued.  
*French*.—Littérature; Translate Vicar of Wakefield into French.  
*Drawing*.—Theory of Perspective; Sketching.  
*Music*.—Continued.

## SECOND TERM.

- Latin*.—Odes of Horace.  
*Natural Science*.—Tenney's Geology.  
*Political Science*.—Townsend's Analysis of the Constitution of the United States.  
*Mathematics*.—Arithmetic reviewed.  
*French*.—Littérature; Translate Vicar of Wakefield into French.  
*Drawing*.—Practice of Perspective, by sketching objects.  
*Music*.—Continued.

## ADVANCED COURSE.

Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

## FIRST YEAR.

## FIRST TERM.

- History*.—Smith's History of Greece.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics.  
*Physical Geography*.—Guyot's Earth and Man.  
*Mathematics*.—Trigonometry.\*

*Natural History*.—Agassiz and Gould's Zoölogy.  
*French*.—Literature; Conversation.  
*Latin*.  
*Greek*.  
*German*.—Grammar.  
*Art*.—Drawing from Nature; Biography of Artists.

## SECOND TERM.

*History*.—History of Greece continued.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics continued.  
*Mathematics*.—Analytical Geometry.\*  
*Natural History*.—Agassiz's Methods of Study in Natural History.  
*French*.—Literature; Conversation.  
*Latin*.  
*Greek*.  
*German*.—Maria Stuart; Goethe's Egmont.  
*Physics*.—Ganot's.\*  
*Art*.—Drawing; History of Schools of Art.

## SECOND YEAR.

## FIRST TERM.

*History*.—Bryce's History of the Roman Empire.  
*English Literature*.—Schlegel's Dramatic Art and Literature; Themes.  
*Political Economy*.  
*Chemistry*.—Roscoe's.\*  
*Mathematics*.—Mechanics.\*  
*French*.—Literature; Conversation.  
*Latin*.  
*Greek*.  
*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.  
*Physics*.—Ganot's.\*

## SECOND TERM.

*History*.—Bryce's History of the Roman Empire, continued.

*Philosophy.* — Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

*Astronomy.* — White's.

*Mathematics.* — Mechanics.\*

*Physics.*

*French.* — Literature; Conversation.

*Latin.*\*

*German.* — Lessing.

*Vegetable Physiology.*

Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil: Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

#### TUITION.

|                                              |         |
|----------------------------------------------|---------|
| Primary Department, per term of 20 weeks.... | \$35 00 |
| Fourth Preparatory Class, " " ....           | 40 00   |
| Third " " " " ....                           | 45 00   |
| Second " " " " ....                          | 50 00   |
| First " " " " ....                           | 50 00   |
| Fifth Academic " " " " ....                  | 55 00   |
| Fourth " " " " ....                          | 60 00   |
| Third " " " " ....                           | 70 00   |
| Second " " " " ....                          | 80 00   |
| First " " " " ....                           | 80 00   |
| Advanced " " " " ....                        | 80 00   |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

## BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

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### III.—THE COLLEGE.

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#### FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*  
ABRAM LITTON, M.D.  
CALVIN S. PENNELL, A.M.  
SYLVESTER WATERHOUSE, A.M.  
CALVIN M. WOODWARD, A.M.  
GEORGE E. JACKSON, A.M.  
MARSHALL S. SNOW, A.M., *Registrar.*  
HENRY POMEROY, A.M.  
WM. B. POTTER, A.M., E.M.  
DENHAM ARNOLD, A.M.  
FRED. M. CRUNDEN, A.M.  
JOHN H. JENKS, M.D.  
JAMES K. HOSMER, A.M.  
R. THOMPSON BOND, A.B.  
FRANCIS E. NIPHER, B Ph.

## STUDENTS.

## SENIOR CLASS.

## NAMES.

## RESIDENCE.

|                               |                       |
|-------------------------------|-----------------------|
| Conzelman, Wm. Eliot.....     | 2124 Clark avenue.    |
| Coste, Paul Felix.....        | 1536 Papin street,    |
| Glasgow, Allen Cuthbert. .... | 3015 Sheridan avenue, |
| Glasgow, Frank Adams.....     | 3015 Sheridan avenue. |
| Total, 4.                     |                       |

## JUNIOR CLASS.

|                                |                              |
|--------------------------------|------------------------------|
| Bartlett, George Morey.....    | Templeton, Mass.             |
| Blewett, Ben.....              | Jennings Station.            |
| Burlingham, Albert Starr.....  | 2710 Locust street.          |
| Eliot, Christopher Rhodes..... | 2660 Washington avenue.      |
| Engler, Edmund Arthur.....     | 1515 Jackson street.         |
| Fisher, Ada Calista.....       | Washington av., W. of Grand. |
| Rychlicki, Mary Josephine..... | King's Highway.              |
| Sanderson, Albert Erastus..... | Sulphur Springs.             |
| Total, 8.                      |                              |

## SOPHOMORE CLASS.

|                              |                       |
|------------------------------|-----------------------|
| Farrar, Wm. Christy.....     | 2733 Chestnut street. |
| Gore, Stephen Augustus*..... | 1017 Olive street.    |
| Price, Edward Thomas*.....   | 3022 Easton avenue.   |
| Total, 3.                    |                       |

## FRESHMAN CLASS.

|                               |                            |
|-------------------------------|----------------------------|
| Allen, Lyman Whitney.....     | 212 S Twenty-first street. |
| Berry, John Marshall.....     | Fairview, Mo.              |
| Burlingham, Charles Cu'p..... | 2710 Locust street.        |
| Chauvenet, Wm. Marc †.....    | 2703 Lucas avenue.         |

\* Not a candidate for a degree.

† Not matriculated.

| NAME.                          | RESIDENCE.                   |
|--------------------------------|------------------------------|
| Cunningham, Henry Davis.....   | Washington University.       |
| Eames, Wm. Sylvester.....      | 1224 Washington avenue.      |
| Eliot, Edward Cranch.....      | 2660 Washington avenue.      |
| Kennett, William Covington.... | 2835 Pine street.            |
| Knox, Harrie Edwin.....        | 705 North Eighteenth street. |
| McClellan, Henry Sharpe.....   | 3428 Morgan street.          |
| Noland, Charles Thomson .....  | 3148 Locust street.          |
| Shapleigh, John Blasdel.....   | 1229 Washington avenue.      |
| Stubbs, Robert Newton .....    | 913 North Sixth street.      |
| Taussig, Frank Wm.....         | 1526 Mississippi avenue.     |
| Wickham, Wm. Fanning.....      | 1712 Lucas Place.            |
| Total, 15.                     |                              |

## ADMISSION.

Candidates for admission to the Freshman Class will be examined in the following books:

### LATIN.

Cæsar's Commentaries; the Æneid of Virgil, to Book VII.; Cicero's Select Orations, Folsom's or Johnson's edition; Harkness's Grammar, including Prosody; Writing Latin.

### GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

### GERMAN.

Grammar and Reader; William Tell.

### MATHEMATICS.

Walton's Arithmetic; Greenleaf's Elementary Algebra; Chauvenet's Geometry, three books.

## GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; History of Greece and Rome. [Smiths' Smaller Histories.]

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted

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## TIMES AND CONDITIONS OF EXAMINATION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, on Monday and Tuesday, June 14th and 15th, and on Friday and Saturday, September 10th and 11th, 1875. Candidates will present themselves in Room No. 2 of the east wing, at 9 o'clock, A. M.

Students may be examined for advanced standing at any time, but candidates for the higher classes, whether from other colleges or not, must show that they are well versed both in the preparatory studies and in those previously pursued by the classes which they propose to enter

Every student not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another college, a certificate of dismissal in good standing.

## COURSE OF STUDY.

The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

*All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.*

## FRESHMAN CLASS.

## FIRST TERM.

*Latin*.—Lincoln's *Livy*; Exercises in writing Latin.

*Greek*.—Felton's *Greek Historians*; Exercises in writing Greek;  
Crosby's or Goodwin's *Grammar*.

*Mathematics*.—Geometry, completed.

*History*.—Freeman's *Outlines*.

*German*.—Grammar; Goethe's *Hermann and Dorothea*.

*Elementary Ethics*.

*Themes and Declamation*.

## SECOND TERM.

*Latin*.—Horace; Roman Antiquities; Exercises in writing Latin.

*Greek*.—Panegyricus of Isocrates; Homer; Exercises in writing  
Greek.

*Mathematics*.—Higher Algebra.

*History*.—Freeman's *Outlines*.

*German*.—Schiller's *Maria Stuart*; Translations from English.

*Themes and Declamation*.

## SOPHOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's *Tusculan Disputations*; Exercises in writing  
Latin.

*Greek*.—Demosthenes de Corona; Exercises in writing Greek.

*Mathematics*.—Trigonometry.

*History*.—Freeman's England.

*French*.—Grammar; Histoire de France par G. Ducoudray;  
Composition.

*Themes and Declamation*.

#### SECOND TERM.

##### REQUIRED STUDIES:

*Latin*.—Juvenal; Andria of Terence, and Captivi of Plautus;  
Exercises in writing Latin.

*Mathematics*.—Analytical Geometry.

*Physics*.

*History of English Literature*.—(Lectures.)

*French*.—Grammar; Ducoudray; Composition.

*Themes and Declamation*.

##### ELECTIVE STUDIES:

*Greek*.—Alcestis of Euripides; Prometheus of Æschylus;  
Exercises in writing Greek.

*Anglo-Saxon and Old English*.

#### JUNIOR CLASS.

##### FIRST TERM.

##### REQUIRED STUDIES:

*Chemistry*.—Roscoe's.

*History*.—France.

*Rhetoric*.—Bain's.

*Modern Languages*.—German.

*Themes; Original Declamations*.

##### ELECTIVE STUDIES:

*Latin*.—Tacitus or Quintilian; Exercises in writing Latin.

*Greek*.—Thucydides; Antigone of Sophocles.

*Mathematics*.—Analytical Geometry and Calculus.

*Physics*.

*Comparative Philology*.

##### SECOND TERM.

##### REQUIRED STUDIES:

*Mechanics*.—Statics; Dynamics.

*Philosophy*.—Jevons' Logic.

*History*.—Germany.

*Modern Languages.*—German.

*History of French Literature.* (Lectures.)

*Themes; Original Declamations.*

**ELECTIVE STUDIES:**

*Mathematics.*—Differential and Integral Calculus.

*Chemistry.*—Continued.

*Ancient Languages*—Latin; Greek.

*Comparative Philology.*

**SENIOR CLASS.**

**FIRST TERM.**

**REQUIRED STUDIES:**

*Astronomy.*

*Mineralogy.*—Dana's.

*Philosophy.*—Hamilton's *Metaphysics*; (Recitations and Lectures.)

*English Literature.*—Shaw's *Manual*; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; (Recitations and Lectures.)

*Modern Languages.*—French; German.

*Themes; Original Declamations.*

**ELECTIVE STUDIES:**

*Mathematics.*

*Ancient Languages.*—Latin; Greek.

*Practical Chemistry.*

*Comparative Philology.*

**SECOND TERM.**

**REQUIRED STUDIES:**

*Geology.*—Dana's.

*Ethics*—(Recitations and Lectures.)

*Evidences of Natural and Revealed Religion.*

*Political Economy.*—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)

*History.*—Constitutional History of England; U. S. Constitution.—(Recitations and Lectures.)

*English Literature.*—Shaw; Taine; Readings; Lectures.

*Modern Languages.*—French; German.

*Physiology.*—Lectures.

*Themes; Original Declamations.*

## ELECTIVE STUDIES:

*Mathematics.**Ancient Languages.*—Latin; Greek.*Practical Chemistry.**Comparative Philology.*

## EXAMINATIONS.

The instruction is by recitations and lectures, and the student's progress is tested by frequent and thorough written examinations.

## LECTURES.

Courses of Lectures on literary, scientific and general topics are delivered from time to time in the Hall of the University, to which persons not connected with the Institution are admitted under such regulations as may be established.

## THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the First Term of the year 1874-75:

*President*.....PAUL F. COSTE,*Vice-President*.....C. MORSE,*Secretary*.....FRANK W. TAUSSIG.

A paper called the IRVING UNION is published monthly under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the First Term of the year 1874-75:

*Chief Editor* ..... E. A. ENGLER.*Business Manager*.....C. R. ELIOT,

|                              |       |   |                  |
|------------------------------|-------|---|------------------|
| <i>Associate Editors</i> ... | ..... | { | A. E. SANDERSON, |
|                              |       |   | W. C. FARRAR,    |
|                              |       |   | W. M. CHAUVENET, |
|                              |       |   | L. W. ALLEN.     |

## LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor. The privilege will be especially conferred upon meritorious students.

## GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic School and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises. A competent instructor gives regular training to the classes.

## SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College or the Polytechnic School. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them with students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by the payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

A Trust Fund of \$30,000 has been accepted by the University, from the WESTERN SANITARY COMMISSION, for the establish-

ment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic School, to be filled by children of descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference will be given to those in straitened circumstances, and no student will be accepted or continued who is not of good moral character, who does not sustain satisfactory examinations, or who fails to comply with the rules of the institution.

From the same source a SUSTENTATION FUND of \$10 000 has been accepted, the income from which will be expended for the aid of students in straitened circumstances, giving preference always to descendants of Union soldiers, as above.

### DEGREES.

The degree of Bachelor of Arts is granted to those students who complete the full course of study; but no diploma is granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

### VACATIONS.

There is a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the institution.

## TUITION.

A matriculation fee of five dollars is charged, payable in advance.

The tuition in the College, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

N. B. For tuition in Polytechnic School to graduates of the College, see page 13.

# IV.—O'FALLON POLYTECHNIC INSTITUTE,

OR

## POLYTECHNIC SCHOOL.

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### FACULTY

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WM. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

CALVIN M. WOODWARD, A.M., *Dean.*

MARSHALL S. SNOW, A.M.

HENRY POMEROY, A.M.

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

CHARLES A. SMITH, C.E.

FRED. M. CRUNDEN, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.B.

FRANCIS E. NIPHER, B.Ph.

HALSEY C. IVES, *Artist.*

## STUDENTS.

## SENIOR CLASS.

| NAME.                         | RESIDENCE          | ROOM.                |
|-------------------------------|--------------------|----------------------|
| Brooke, George D. (I)*.....   | St. Louis. ....    | 2010 N. 10th street. |
| Burnet, George, Jr., (I)..... | Carondelet Tp.     | Dormitory No. 5.     |
| Graham, Frank (IV).....       | St. Louis.....     | 2221 Olive street.   |
| Healy, M. F. (I).....         | St. Louis.....     | 204 Center street,   |
| Holman, John O. (I).....      | St. Louis.....     | Page & Spring avs.   |
| McKee, James D. (I). ....     | St. Louis.....     | 214 Mullanphy st.    |
| Morse, Charles M. (IV).....   | San Mateo, Cal.    | Dormitory No. 3.     |
| Roeder, Victor C. (IV).....   | Sta Barbara, Cal., | 310 Cedar street.    |
|                               |                    | Total, 8.            |

## JUNIOR CLASS.

|                            |                 |                                           |
|----------------------------|-----------------|-------------------------------------------|
| Barron, Samuel A. (IV).... | St. Louis.....  | 2216 Walnut street.                       |
| Friedman, Jacob (III)..... | St. Louis.....  | 2722 Laclede ave.                         |
| Hawke, William (I).....    | Neb. City, Neb. | 2920 Olive street.                        |
| Meister, Herman (IV).....  | St. Louis.....  | Meramec, bet. Min-<br>nesota & Penn. avs. |
|                            |                 | Total, 4.                                 |

## SOPHOMORE CLASS.

|                          |                   |                                     |
|--------------------------|-------------------|-------------------------------------|
| Block, George M.....     | Aberdeen.....     | 3112 Morgan street.                 |
| Farrar, John R.....      | St. Louis.....    | 1431 Lucas Place.                   |
| Gibson, Victor.....      | St. Louis.....    | Lafayette ave. and<br>Easton Place. |
| Kellogg, Clinton D.....  | Caledonia, Minn.. | 413 N. 8th street.                  |
| Kennett, Charles P.....  | St. Louis.....    | 2835 Pine street.                   |
| Pegram, George H.....    | St. Louis.....    | 1321 Chouteau ave.                  |
| Quigley, John B.....     | Carondelet....    | Carondelet.                         |
| Smith, Edgar T.....      | Greenville, Ill.. | 2205 Olive street.                  |
| Westermann, Edward H.... | Belleville, Ill.. | Belleville.                         |
|                          |                   | Total, 9.                           |

\* The Roman numerals after the names indicate the Courses of Study pursued by the Student, according to the arrangement on page 67.

## FRESHMAN CLASS.

|                           |                  |                     |
|---------------------------|------------------|---------------------|
| Burnet, Henry L.....      | Carondelet....   | No. 5 Dormitory.    |
| Burr, Edward F.....       | Kirkwood .....   | Kirkwood.           |
| Countryman, Theophilus R. | Hastings, Min..  | 1922 Clark avenue.  |
| Daniel, Z. T.....         | Rushville, Ill.. | 3d & Pine, Room 42. |
| Farrar, Charles T.....    | St. Louis.....   | 2733 Chestnut st.   |
| Lewis, Turner.....        | St. Louis.....   | 3014 Morgan street. |
| Paramore, Fred. W.....    | St. Louis.....   | 1322 Chouteau av.   |
|                           |                  | Total, 7.           |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

|                             |                |                                           |
|-----------------------------|----------------|-------------------------------------------|
| Blattner, Jacob F.....      | St. Louis..... | 2000 Rutger street.                       |
| Chauvenet, Louis (IV)....   | St. Louis..... | 2703 Lucas avenue.                        |
| Lüdeking, Carl E. (III).... | St. Louis..... | 311 Elm street.                           |
| Meister, Otto.....          | St. Louis..... | Meramec, bet. Min-<br>nesota & Penn. avs. |
|                             |                | Total, 4.                                 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:—

1. English Composition, including the use of Language, Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject, selected this year either from American History or from Shakspeare's Julius Caesar. *A reasonable knowledge of composition will be held essential to the privilege of further examination.*

2. Physical and Modern Political Geography

3. American History, up to the close of the war of 1812. White's Landmarks of English History, or an equivalent.

4. Human Anatomy and Physiology.

5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.


6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.

7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions); or in the first two parts of Olney's Geometry.

8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first 50 pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's "Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."

9. Natural Philosophy, as much as is contained in the first half of Well's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."

10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.

 In June and September, 1876, Latin will be required. The student must then be able to construe a passage from the Latin Reader or from Caesar.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June and at the beginning of the Fall Term in September (see calendar); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy. (See page 29.)

These revised Conditions of Admission, now for the first time in force, indicate a decided advance. They require on the part of students at least a half year's additional work. Every new feature has been adopted only after mature discussion and de-

liberation, and the Faculty look to the teachers of the public and private schools for an endorsement of their action. The transcendent importance of an exact and practical knowledge of the English language and literature will, it is hoped, justify the requirements under the head of **ENGLISH COMPOSITION AND LATIN**. The latter, though nominally "dead," still lives in the spoken language of every civilized nation of to-day. The Faculty are not alone in their estimate of the value of a rudimentary knowledge of Latin to English-speaking people. "Even a little study of Latin makes a great difference in the grasp of the mind as regards generalization and principles. Without Latin the trope and metaphor underlying the abstract terms necessary to express all elevated sentiment or thought in English, and more specifically all scientific results, whether moral, legal, spiritual or natural—is not perceived or felt. \* \* \* In our civil and political forms we live Roman life to-day. \* \* \* Jurisprudence and legislation pronounce their edicts in Roman words."\*

It is not expected that the students will become "classical scholars," the aim simply being\*to fit them for advantageous use of the instruction given in the Polytechnic School. But experience has taught that a moderate knowledge of Latin is an important, if not indispensable element in preparatory education.

The ease with which young students learn to use logarithms, and acquire skill in the use of drawing instruments, and the fact that habits of accuracy are more readily formed early in a student's course, have lead to the introduction of one topic under **ALGEBRA**, and of the entire section under **GEOMETRICAL DRAWING**. This last feature will enhance the student's interest in his mathematical studies, and will practically add very little to the work of preparation.

The Faculty of the Polytechnic School have decided to adopt the plan of a

#### DIVIDED EXAMINATION,

in accordance with which students who propose to enter the Freshman Class in the summer of 1876 may present themselves

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\*Report of W. T. Harris, Supt. St. L. Pub. Sch., for 1872-73.

this year, in June or September, for examination on the studies in which they are already proficient; provided, they are prepared to be examined on not less than four of the topics named in the Conditions of Examination. A record of such examinations will be kept, and when the same students present themselves next year they will be credited with the work done at the first examination. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

The subjects for examination the first day will be, English Composition, Physical Geography, Arithmetic, History and Algebra.

On the second day the subjects will be, Geometry, Physiology, Natural Philosophy, German, (or French or Latin), and Drawing.

## COURSES OF STUDY.

The regular courses of study and instruction in this school extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of the advantages of this school will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded. The courses are five in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either course during the Junior and Senior years, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of *Bachelor of Science*.

Special students will be received in any of the courses if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

## FRESHMAN CLASS.

## FIRST TERM.

*Mathematics*—Geometry (Chauvenet's) completed.

*Physics*.—Natural Philosophy.

*German*.—Grammar and Reader.

*History*.—Civil Government; United States Constitution.

*Free-Hand Drawing*.

*Mechanical Drawing*.—From Flats and Models. Use of Scales, Tracing, and Construction of Plates, Lettering, etc.

*English*.—Declamation and Composition; Rhetoric.

## SECOND TERM.

*Mathematics*.—Algebra (Greenleaf's Higher) finished.

*Physics*.—(Ganot's), Pneumatics, Heat, Electricity and Magnetism.

*French*.—Otto's Grammar; French Prose.

*Free-Hand Drawing*.—Continued as First Term.

*Descriptive Geometry*.—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, etc.

*History*.—England.

*English*.—Declamation and Composition; Shakespeare.

## SOPHOMORE CLASS.

## FIRST TERM.

*Mathematics*.—Plane and Spherical Trigonometry (Chauvenet's).

*Physics*.—(Ganot continued), Acoustics, Optics, and Meteorology; Laboratory Practice.

*Descriptive Geometry*.—Intersection of Surfaces; Construction of Paper and Zinc Models.

*Theoretical Chemistry*.—Roscoe's, with Lectures.

*Practical Chemistry*.—Eliot and Storer's Manual.

*Free-Hand Drawing*.—Machinery, Casts, etc.

*Mechanical Drawing*, Line and Brush Shading.

*English*.—History.

## SECOND TERM.

*Mathematics*.—Analytic Geometry (Puckle's).

*Surveying*.—Chain and Compass Surveying; Practice in the Field.

*Descriptive Geometry.*—Spherical and Isometric Projections; Shades and Shadows; Perspective.

*Practical Chemistry.*—Qualitative Analysis.

*Mineralogy.*—Dana's Manual.

*Free-Hand and Mechanical Drawing.*—Machinery and Architecture.

*Physics.*—Laboratory Practice.

## I.—COURSE IN CIVIL ENGINEERING.

### JUNIOR CLASS.

#### FIRST TERM.

*Mathematics.*—Differential Calculus (Peck's).

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery.

*Civil Engineering.*—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field; Railway Curves, Turnouts, etc. (Henck's Field Book).

*Physics.*—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc., in Plaster.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Drawing.*—Models, Arches, etc.; Shading.

*Ethics.*—Recitations and Lectures.

#### SECOND TERM.

*Mathematics.*—Integral Calculus; Analytic Mechanics.

*Civil Engineering.*—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Framework, and Cords of Equilibrium. (Rankine's Manual).

*Mechanics.*—(Rankine's) Applied Mechanics.

*Physics.*—Laboratory Practice.

*Drawing.*—Machines, Profiles, Bridges, etc.

*English.*—Modern Literature.

## SENIOR CLASS.

## FIRST TERM.

*Civil Engineering*.—Rankine's Manual of Civil Engineering, supplemented by lectures following Baker, Bell, Winkler and Maxwell; and the use of Graphical Statics.

*Mechanics*.—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.

*Laboratory Practice*.—Construction of Trusses and Ribs for Bridges and Roofs.

*Drawing*.—Of Constructions from Actual Measurement.

*Astronomy*.—White's Elements.

*English*—Themes

## SECOND TERM.

*Civil Engineering*.—Structures of Wood, Stone and Iron; Designing, and Computing the parts of Bridges, Roofs, etc.

*Mechanics*.—Statics, Kinematics, Principles of Mechanism, Dynamics.

*Laboratory Practice*.—Testing Strength of Structures; Photography.

*Drawing*.—Designs of Structures.

*Political Economy*.—Bowen, Rogers, Mill, Carey; (Recitations and Lectures.)

*Practical Astronomy*.—Use of Instruments; Determination of Time, Latitude and Longitude.

*English*.—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

## JUNIOR YEAR.

## FIRST TERM.

*Mathematics*.—Differential Calculus (Peck's).

*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.

*Machinery.*—Kinematics; Principles of Mechanism.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Physics.*—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc.; Work in the Machine Shop.

*Drawing.*—Machinery and Models.

*Ethics.*—Recitations and Lectures.

#### SECOND TERM.

*Mathematics.*—Integral Calculus; Analytical Mechanics.

*Machinery.*—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.

*Mechanics.*—Rankine's Applied Mechanics.

*Physics.*—Laboratory Practice.

*Drawing.*—Machine Drawing continued.

*English.*—Modern Literature.

#### SENIOR YEAR.

##### FIRST TERM.

*Machinery.*—Study of different Machines; Strength of Materials.

*Mechanics.*—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)

*Drawing.*—Of Working Machinery.

*Astronomy.*—White's Elements.

*English.*—Descriptions as previous Term.

##### SECOND TERM.

*Machinery.*—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

*Mechanics.*—Theoretic Study of the Prime Movers; Waterwheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.

*Drawing.*—Designs of Machines.

*Political Economy.*—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English.*—Graduation Thesis.

### III.—COURSE IN CHEMISTRY.

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#### JUNIOR YEAR.

*Theoretical and Organic Chemistry.*—Lectures.

*Qualitative Analysis.*—Fresenius, Gallaway, Eliot and Storero and Bunsen.

*Quantitative Analysis.*—Fresenius.

*Mineralogy.*—Blowpipe Analysis and Determination of Species.

*Geology.*—Dana's, with Lectures.

*Laboratory Practice.*—From four to six hours daily.

#### SENIOR YEAR.

*Chemistry, Analytical and Applied.*—Daily Instruction in the Laboratory. Actual Chemical Work, embracing:

Pharmaceutical Preparations for the Laboratory and Apothecary;

Methods of Determining the Value of Drugs;

Assays on Ores of Lead, Silver, Gold, Zinc, Antimony, Copper, Nickel, Cobalt, etc.;

Examination and Analysis of Metals, Soils, and Ashes;

Examination of Poisons, Uses and Value of Manures.

*Political Economy.*—Bowen, Mill, Rogers, Carey, Recitation and Lectures.

Preparation of Thesis for Degree of Chemist.

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### IV.—COURSE IN MINING AND METALLURGY.

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#### JUNIOR YEAR.

*Mathematics.*—Differential and Integral Calculus.

*Descriptive Geometry.*—Applications to Masonry, and Machinery.

*Surveying.*—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

*Chemistry*.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

*Geology*.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

*Mineralogy*.—Blowpipe Examination of Minerals.

*Mining*.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation; Hoisting Engines, Cages, Cars, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead and Zinc Mines.

*Metallurgy*.—General Metallurgy—Classification of Processes; Furnaces, Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, etc.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, etc.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, etc.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, etc.; Hot Blast Stoves; Lifts, etc.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, etc.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, etc.

*Physics*.—Laboratory Practice.

*Drawing*.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, etc.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

## SENIOR YEAR

- Mining*.—Ventilation, Natural and Artificial; Measurement or Ventilation and Work done by Ventilators.  
Accidents—Fires in Mines, etc.  
Mechanical Preparation of Ores; Stamps, Mills, Separators.  
Jigging Machines, etc.; Washing and Dressing of Coal, etc.  
General Management of Mines, etc.
- Chemistry*.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.
- Assaying*.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.
- Economic Geology*.—Occurrence and Distribution of Ores; Iron, Lead, Copper, etc.; Character, Uses and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, etc.
- Metallurgy*.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.  
Zinc—English, Belgian and Silesian Processes; Manufacture of Oxyde.  
Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.  
Silver—Amalgamation; Smelting; Extraction by Wet Way.  
Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.  
Tin—Preparation of Ores; German and Cornish Methods of Extraction.  
Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.  
Examination of Metallurgical Works.
- Blowpipe Analysis*.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, etc.
- Mechanics*.—Rankine's Applied Mechanics.
- Drawing*.—Machines, Furnaces, Mines, etc.
- Projects*.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

## V—COURSE IN BUILDING &amp; ARCHITECTURE.

## JUNIOR YEAR.

- Architectural Designs*.—The Elements of Design; the Principles of Composition; Examination of Architectural Works.
- Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery: Groined and Cloistered Arches; Domes, Stairways, etc.
- Mathematics*.—Differential and Integral Calculus.
- Physics*.—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.
- Geology*.—Dana's Manual; Lectures.
- Practical Chemistry*.—Qualitative Analysis.
- Drawing*.—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.
- English*.—Composition; Descriptions of Prominent Buildings, etc.

## SENIOR YEAR.

- Architecture*.—Composition; History of Architecture; Specifications. Contracts, Estimates, Details of Superintendence.
- Engineering*.—Stability of Structures, Stress; Strength and Stiffness of Girders, Pillars, etc.; Foundations, Walls, Roofs; Building Materials.
- Mechanics*.—Principles of Statics; Rankine's Applied Mechanics.
- Physics*.—Laboratory Practice, in Testing Materials, Ventilation, Warming, etc.; Modeling in Plaster and Wood; Framing in Wood and Iron.
- Drawing*.—Designing Architectural Ornaments; Architecture; Landscape; Designs for particular Structures; Drawing from Memory.
- Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)
- English*.—Graduation Thesis.

## MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the College classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

## BUILDINGS.

The west wing of University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this School. Besides this building there are a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities are procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

## CIVIL AND MECHANICAL ENGINEERING.

The School is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., adorn the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine, and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. It will continue to stand in the Physical Laboratory, where

each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, etc.

The instruction in all branches is given from text books when practicable, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science. Special prominence is given to the use of "graphical methods," which are now so usefully supplementing the processes of computation.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners, and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling-mills, furnaces and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to train not mere theorizers, but practical, far-seeing business men.

### THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic School, organized in September, 1871, has been in full operation during the last three years. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted.

The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of and reports on mines and manufacturing establishments.

#### COLLECTIONS

have already been made, and are constantly receiving additions, embracing models of crystals, and specimens illustrating the various minerals and rocks and their association; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will, in time, be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to meet with in the field and the various products in metallurgical operations.

#### ASSAY LABORATORIES

are now in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc., to which will soon be added a volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

#### CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being re-

quired to make tests and full analysis of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

#### VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

#### CHEMICAL LABORATORY.

The Chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Until the present accommodations are crowded, the large room, 43x41 feet, on the first-floor of the large building, will be appropriated to the State Geological Cabinet mentioned below. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

#### PHYSICAL LABORATORY.

It is intended to make this new feature in education a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated

to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Accoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. During the past year a complete outfit of photographic apparatus has been added to the laboratory, and a large number of pieces of apparatus have either been bought or manufactured during the past year. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

For the use of students in this and the Chemical Laboratories there is a

#### WORK-SHOP

containing an elegant lathe, made expressly for the University by the Fitchburg Machine Company, of Massachusetts, for turning wood, brass and iron; a work-bench, and a full set of carpenter's and modeling tools, an engine lathe, geer-cutter, a small forge, and a complete outfit of machinist's tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession. During the past year the students have practiced turning brass wheels, cutting teeth of wheels, graduating circles, making wooden and iron girders, apparatus, etc.

The headquarters of the

#### STATE GEOLOGICAL SURVEY

are located at this Institution. It is here that the examination, classification, analysis, and assay of all the minerals, rocks and ores collected by those engaged in the geological survey are made.

#### THE STATE CABINET,

which has already attained such proportions as to be of much value to those pursuing the study of Geology or any of its cog-

nate sciences, is in one of the most spacious rooms of this School, and at all suitable times will be open for the use of students of the University.

### VACATION WORK.

It is expected that surveying parties, composed either wholly or in part of the students of this School will be sent into the field, either for the purpose of performing the secondary triangulation of the State of Missouri (under the auspices of the U. S. Coast Survey) or in other similar undertakings. (The Observatory on the University grounds has already been made a point of great importance in the primary survey of the State.) In this work there is excellent opportunity to earn *something*, and to learn the details of the very best surveying practice in the world.

### EXAMINATIONS.

The Examinations in the Polytechnic School are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

### DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The Degrees corresponding to the six Courses of Study are :

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

## TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

## DISCIPLINE.

The School is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentleman, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

## BOARD AND LODGING.

Students living at a distance from the University can be supplied with rooms in the Dormitory building before referred to. The rent for a single room is \$12 per term; for a double room \$20 per term—that is, \$10 for each occupant. The rooms are unfurnished, but when students prefer, the University will supply for a small rent bedsteads, chairs, tables, and washstands. All other furniture, including bedding, carpets, etc., the students must provide for themselves. It is thought that good board can be obtained in the vicinity of the rooms for \$5 a week, and, should a club be organized, for \$4 per week. All parties interested in these matters will communicate with the Dean.

## EXPENSES.

The minimum expenses of maintaining a student in this school one year is about as follows:

|                                               |          |
|-----------------------------------------------|----------|
| Tuition .....                                 | \$100 00 |
| Rent of room.....                             | 20 00    |
| Board, fuel and washing, at \$5 per week..... | 200 00   |
| Books, Instruments, etc.....                  | 30 00    |
| Total.....                                    | \$350 00 |

## SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships," "Sustentation Fund," and of other Scholarships on pages 58 and 59.

## LECTURES, LITERARY SOCIETIES, LIBRARY, AND GYMNASIUM.

(For information on these points, see pages 57 and 58.)

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ELEMENTARY SCHOOL.  
OF THE  
O'FALLON POLYTECHNIC INSTITUTE.

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In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1865 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the College classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventeenth streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose; and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a

closer connection with the educational needs of the times. The title of the Polytechnic building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

The AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

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EVENING SCHOOL  
AT  
THE POLYTECHNIC BUILDING,  
*Corner of Seventh and Chestnut Sts.*

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TEACHERS.

---

W. D. BUTLER, *Principal.*  
J. W. HALL,  
J. S. STEPHENSON.  
F. A. FITZPATRICK.  
R. J. DELANO.  
J. A. YOUNG.  
C. J. HARRIS.

## STUDENTS.

## NAMES.

Abbott, William H.  
Alles, Anton  
Althen, Warren  
Anderson, Charles E.  
Anderson, Lorenzo  
Bade, William  
Bade, Frank  
Barclay, Robert  
Barnidge, Alph J.  
Barron, Ninnian B.  
Beck, Edward  
Beck, Julius  
Beckman, August J.  
Beltz, Julius  
Bent, Samuel  
Bobbette, William A.  
Boehmer, Charles  
Borrowman, George R.  
Bowman, Edgar A.  
Brauer, August  
Bray, William E.  
Bremer, Charles  
Bremner, Hugh  
Brinkmann, Theodore  
Brockstadt, Henry M.  
Browder, Henry  
Brown, Thomas  
Budde, August  
Buettner, Louis P.  
Burkhardt, Theodore  
Byrne, Charles J.

## NAMES.

Byrne, Edward F.  
Cady, George M.  
Carolan, Edward C.  
Carroll, William L.  
Chamberlain, Thomas  
Christin, Lee  
Clark, Henry E.  
Clark, William G.  
Condon, Edward P.  
Conner, William R.  
Cooke, William A.  
Corcoran, Hugh  
Courtney, Myron J.  
Cox, Charles J.  
Daley, William R.  
Danforth, Charles H.  
Davis, James L.  
Decker, George  
Degnan, James  
Diekmann, Louis C.  
Dockery, Thomas  
Dockery, James J.  
Doerr, Lee  
Donovan, William T.  
Dorn, Edward  
Douglas, William L.  
Dozier, Henry  
Drown, William  
Dudley, Mansel  
Ealer, George G.  
Eberhard, Edward

## NAMES.

Edenborn, William  
 Evans, William H.  
 Eystra, Henry F.  
 Fausek, Anton  
 Fish, Albert G.  
 Fishwick, Frank  
 Fitzgerald, David E.  
 Fitzpatrick, Joseph  
 Frain, Thomas  
 Fuchs, Henry  
 Fuchs, Louis C.  
 Garber, Julius W.  
 Gibson, Robert J.  
 Gibson, Erastus  
 Glab, Frank  
 Goebel, Arthur  
 Gorman, John M.  
 Goyer, Alexander T.  
 Goyer, William A.  
 Green, Daniel  
 Grierson, Robert W.  
 Ilageman, Frank  
 Harrington, Robert J.  
 Hassett, Edward W.  
 Hasterlike, Simon  
 Hecker, William  
 Heim, John  
 Heltzell, Ambrose C.  
 Henry, Robert J.  
 Herrman, George P.  
 Hoefer, John W. R.  
 Holdsworth, John W.  
 Hottelman, Rudolph.  
 Hufnagel, Charles P.  
 Hurst, Stephen,  
 Jackson, Frank  
 Joerder, Adam  
 Johnson, Robert

## NAMES.

Johnson, George J.  
 Kaiser, John R.  
 Kallfleisch, August F.  
 Kane, John C.  
 Keller, John  
 Kelly, Lawrence  
 Kelly, Pat.  
 Kelly, Thomas X.  
 Kern, Gottlieb  
 Kerr, Andrew  
 Keutz, Henry B.  
 King, Matthew  
 Kilgen, George  
 Klamroth, Joseph  
 Knab, John  
 Kollmeyer, John F.  
 Krausnick, Martin R.  
 Krausnick, Edward C.  
 Kuhnert, John L.  
 Lamprecht, George  
 Leatherman, Boone  
 Leedorn, Henry L.  
 Lihon, Henry  
 Livingstone, James R.  
 Livingstone, Thomas J.  
 Low, Daniel W.  
 Lueg, Oscar  
 Maginn, Frank  
 Maher, William  
 Mangan, John  
 Mardoff, Edward  
 Marsh, George  
 Marshall, William J.  
 Matthews, William  
 May, Charles  
 McCormick, Edward  
 McCabe, Vincent  
 McGaffey, Wyatt

## NAMES.

McGeary, Albert S.  
 McGrade, William  
 McKenna, John F.  
 McLean, John H.  
 McMillan George A.  
 Meder Edward  
 Mellen, William S.  
 Meyer, Ed. J.  
 Meyer, John A.  
 Michal, Adrien  
 Michenfelder, Frank  
 Miller Henry P.  
 Mitchell, Ivan G.  
 Moller, Joseph  
 Moloney, James  
 Mulholland, Edward  
 Murdock, Charles H.  
 Murphy, Arthur A.  
 Murray, Michael J.  
 Niemann, Herman  
 Nietrach, Louis E.  
 Nolte, Henry A.  
 Norris, William  
 Obermeyer, Edward  
 O'Byrne, Patrick  
 O'Neil, Eugene J.  
 Ottman, Florence  
 Owens, Thomas  
 Pate, Richard D.  
 Peck, William H.  
 Pearson, William  
 Pollock, Philip  
 Pollock, Martin  
 Raul, Warren C.  
 Reed, William F.  
 Renisch, Edward A.  
 Reitz, Louis  
 Reps, William

## NAMES.

Rhea, George H.  
 Richards, Thomas H.  
 Richardson, Allen  
 Richardson, John  
 Riley, William  
 Rodgers, George R.  
 Roessel, Eugene H.  
 Rogan, Martin T.  
 Rogers, Louis H.  
 Rogerson, James B.  
 Rosenfield, Louis  
 Ross, Thomas J.  
 Roth, Edward B.  
 Ruedi, John  
 Runder, William J.  
 Ryan, J. O'Neil  
 Samuels, Simon  
 Schaaf, Emil  
 Schachameyer, Herman  
 Schatz, John  
 Schell, Charles E.  
 Schisler, Fred C.  
 Schreckhaase, Felix  
 Schueler, Richard  
 Schwann, Henry  
 Sennewald, Emil A.  
 Shaw, Samuel C.  
 Simbled, Edmond  
 Spiekerman, B. E.  
 Sprick, Otto  
 Staude, Martin  
 Steele, Eyre T.  
 Stewart, Allister  
 Stocking, William L.  
 Storck, Fred.  
 Straul, Charles  
 Stupp, George  
 Talkaez, Emil

## NAMES.

Taylor, William H.  
 Taylor Edwin G.  
 Taylor, Thomas E.  
 Thiele, George H.  
 Thierauf, Henry  
 Tiemenstein, Martin  
 Tisch, Theodore  
 Trescher, Fred  
 Umbach, Conrad  
 Umbach, Paul  
 Ure, Robert D.  
 Usher, Fred J.  
 Valle, Francis

## NAMES.

Van Graafeland, Rudolph  
 Wierahahn, Louis C.  
 Wepfer, Geo. ge  
 Wertz, Charles  
 Whitehill, Thomas H.  
 Williamson, Dewitt C.  
 Wind, Alexander  
 Wochner, Michael J.  
 Wolf, Paul  
 Wolf, Edward R.  
 Worstenholm, George L.  
 Zerbe, Henry.

Total, 240.

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 THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, Book Keeping, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

## THE TERM

has been fixed by the Board for five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day-time, who can pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

# V.-LAW SCHOOL.

## FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

### PROFESSORS AND LECTURERS:

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, A.M., LL.D., *Provost of Law School.*

HON. ALBERT TODD.

“ SAMUEL REBER, Late Judge St. Louis Circuit Court.

“ JOHN M. KRUM “ “ “ “

“ GEORGE A. MADILL, “ “ “ “

“ CHESTER H. KRUM. “ “ “ “

ALEXANDER MARTIN, A.M.,

GEORGE M. STEWART, A.M., *Dean of Law Faculty.*

### ADVISORY AND EXAMINING BOARD:

HON. SAMUEL F. MILLER, Justice of U. S. Supreme Court, *President.*

HON. JOHN F. DILLON, U. S. Circuit Judge.

“ ARNOLD KREKEL, U. S. Dist. Judge, W. Dist. of Mo.

“ DAVID WAGNER, Justice Supreme Court of Mo.

“ WM. B. NAPTON, Justice Supreme Court of Mo.

“ JAMES J. LINDLEY, Judge St. Louis Circuit Court.

“ HORATIO M. JONES, Judge St. Louis Circuit Court.

“ JAMES K. KNIGHT, Judge St. Louis Circuit Court.

“ JAMES R. LACKLAND, Late Judge St. Louis Cir. Court.

“ G. A. FINKELNBURG.

“ J. D. S. DRYDEN,

CHARLES C. WHITTELSEY, Esq.

JOHN R. SHIPLEY, Esq.

JOHN W. NOBLE, Esq.

HON. R. E. ROMBAUER.

SAMUEL T. GLOVER, Esq.

JAMES O. BROADHEAD, Esq.

ARBA N. CRANE, Esq.

EDWIN C. KEHR, Esq.

## STUDENTS.

## SENIOR CLASS.

## NAME.

## RESIDENCE.

|                           |                       |                   |
|---------------------------|-----------------------|-------------------|
| Boemler, Henry.....       | St. Louis, Mo....     | 706 Pine st.      |
| Clark, B. F.....          | Cote Brillante, Mo.   |                   |
| Edgar, Will. R.....       | Ironton, Mo.....      | 705 Pine st.      |
| Espenschied, Frank F..... | St. Louis, Mo....     | 813 Hempstead st. |
| Estes, F. M.....          | Brownsville, Tenn     | 705 Pine st.      |
| Ferris, Franklin B.....   | Rome, N. Y.....       | 212 N. Fourth st. |
| Foster, R. M.....         | Union Springs, Ala.   | 705 Pine st.      |
| Hayward, J.....           | Hannibal, Mo....      |                   |
| Jameson, A. D.....        | Murfreesboro, Tenn.   | 2904 Gamble st.   |
| Knapp, V. W.....          | St. Louis, Mo....     | 818 Gratiot st.   |
| McDowell, E. C.....       | Lewistown, Ill....    | 3016 Locust st.   |
| Meier, John J.....        | St. Louis, Mo ..      | 1808 State st.    |
| Murfree, Wm. L., Jr.....  | Murfreesboro, Ten     | 2810 Locust st.   |
| Parker, A. H.....         |                       |                   |
| Reber, James S.....       | Shoemakersville, Pa., | Carondelet.       |
| Richardson, John C.....   | St. Louis, Mo....     | 1601 Olive st.    |
| Scarborough, Otis W.....  | Kosciusko, Miss..     | 705 Pine st.      |
| Schutte, G. A.....        | St. Louis, Mo....     |                   |
| Stirling, Henry R.....    | St. Louis, Mo ..      | 1131 St. Ange st. |
| Switzer, C. M.....        | St. Louis, Mo....     | 1725 Wash'n av.   |
| Warnock, W. H.....        | Columbia, Ill....     | 705 Pine st.      |
| Webb, Jean F.....         | Lebanon, Ill.....     | Wash. University  |
| Wells, Japha.....         | Troy, Mo. ....        | Olive St. Hotel.  |
| White, E. J.....          | St. Louis, Mo....     |                   |

Total. 24

## JUNIOR CLASS.

|                       |                   |                   |
|-----------------------|-------------------|-------------------|
| Beyersdorf, W. S..... | Hermann, Mo....   | 731 S. Fifth st.  |
| Bowman, E. M.....     | Acton, Ill.....   | 614 Olive st.     |
| Cline, F. A.....      | St. Louis, Mo.... | 840 S. Eighth st. |

| NAMES.                    | RESIDENCE.                           |
|---------------------------|--------------------------------------|
| Cummings, J. R.....       | Terre Haute, Ind. 14 S. Fifth st.    |
| Curd, C. P.....           | Nashville, Tenn.. 616 S. Fifth st.   |
| Curtis, W. S.....         | St. Louis, Mo.... 3030 Franklin av.  |
| Dace, J. M.....           | Merrimac Pt. Ill.. Wash. University  |
| Dawson, J. P.....         | Louisiana, Mo.... Wash. University   |
| Delano, R. J.....         | St. Louis, Mo.... 1717 St. Chas. st. |
| Estabrook, H. D.....      | Omaha, Neb.... 2803 Thomas st.       |
| Field, F.....             | Arrow Rock, Mo. 2205 Olive st.       |
| Glore, Orlando.....       | Pine Grove, Ill... 421 Chestnut st.  |
| Hamilton, J. D. M.....    | Fort Madison, Ia.. 705 Pine st.      |
| Illegginbotham, H. C..... | Leavenworth, Kan. 1725 Morgan st.    |
| Huff, M. W.....           | Iron Mt., Mo.... 212 S. 21st st.     |
| Kennett, A. Q.....        | St. Louis, Mo.... 1522 Wash'n av.    |
| Mansfield, D.....         | St. Louis, Mo.... 2913 Thomas st.    |
| Merryman, J. F.....       | Platte City, Mo.. 625 Pine st.       |
| McAllister, A. F.....     | St. Louis, Mo.... 1217 St. Ange st.  |
| McElhinney, J. W.....     | St. Louis, Mo.... 2206 Walnut st.    |
| McHose, W. E.....         | Geneseo, Ill..... Wash'n University  |
| Niemann, G.....           | St. Louis, Mo.... 905 N. 13th st.    |
| Olshausen, T.....         | Davenport, Iowa.. 2306 Chouteau av   |
| Parrish, G. T.....        | Glasgow, Ky..... 1901 O'Fallon st.   |
| Rice, T. A.....           | St. Louis, Mo.... 2719 N. 11th st.   |
| Roeder, J. A.....         | St. Louis, Mo.... 504 Dorcas st.     |
| Rose, J. M.....           | Little Rock, Ark.. 2205 Olive st.    |
| Schuyler, W. R.....       | St. Louis, Mo.... 2820 Locust st.    |
| Smith, J. P.....          | Glasgow, Ky..... 1901 O'Fallon st.   |
| Shephard, F. B.....       | St. Louis, Mo.... 1909 Wash'n av.    |
| Sparks, Samuel P.....     | Warrensburg, Mo. 1016 Pine st.       |
| Tatum, L. R.....          | St. Louis, Mo.... 706 Tayon av.      |
| Torrey, J. L.....         | Louisiana, Mo.... Wash'n University  |
| Total, 33.                |                                      |

The Law School of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue and Bankrupt Law, besides causes at Common Law and in Equity, also the State, Circuit and Criminal Courts and the Supreme (or highest appellate) Court of Missouri; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of six years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law school is enabled to present, give promise of still greater efficiency in the future.

### COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

### SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this Department; also an annual prize of \$50

in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free scholarships in the Law School should apply to the Provost on or before the 19th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.
2. That the applicant is of good character and standing.

The applicant must have a good English education, and the certificate of Professor SNOW of the College to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

Competition for the prize referred to is confined to the members of the Graduating Class in each year, under regulations announced at the opening of the term.

#### TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1875-76:

Blackstone's Commentaries (Sharswood), Books I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Story's Equity Jurisprudence, Washburn on Real Property, vol. 1; Stephens (or Gould) on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Story on Bills, Addison on Torts (abr.) Schouler's Domestic Relations.

Applicants for admission to the Senior Class of 1875-76, will be required to pass a satisfactory examination on the foregoing works before the beginning of the term, and should apply in person, before or during the first week in October, to the Provost or Dean.

The Senior Class will use the following:

Story on the Constitution, Parsons' Marine Insurance, Conkling's Treatise on Jur. and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Bishop's Criminal Law, Story on Sales, Story on Promissory Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any reduction be made from the term fee. Class tickets are in no case transferable.

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

#### TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good Board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

## SUMMARY.

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|                                               |     |
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| THE ACADEMY.....                              | 321 |
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| <hr/>                                         |     |
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## LIST OF GRADUATES.

### GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (\*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON,  
CHARLES BRANCH, A.M.,  
HENRY BRANCH, A.M.,  
REGIS CHIAUVENET, A.M.,  
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER,  
JOHN TILDEN DAVIS,  
WILLIAM RHIND DONALDSON,  
HENRY WARE ELIOT,  
OSCAR WILLIAM GAUSS,  
NATHANIEL GRAY SMITH HART,  
CHESTER HARDING KRUM,  
THOMAS KEITH SKINKER,  
\*JAMES STATT'S WATERS. 1869.

1864.

GEORGE WEBBER CUTTER, A.M.,  
CHARLES EDWARD ILLSLEY, A.M.,  
JOHN HERAN KERCHEVAL,  
JOHN GEORGE DAVID KNIGHT, A.M.,  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE,  
FREDERICK JULIUS CASTLEHUN, A.M.,  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER. 1868.  
CHARLES FLETCHER HAZARD,  
JOSEPH NORWOOD LITTON,  
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.,  
ALEXANDER GILL DONALDSON,  
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS BLOCK,  
FREDERICK MORGAN CRUNDEN, A.M.,  
HARVEY HALE DELANO,  
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP,  
CHARLES MANNING LITTON,  
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.  
DAVID ROWLAND FRANCIS,  
DAVID GOLDSMITH,  
GEORGE WASHINGTON TAUSSIG,  
LOUIS WILLIAM TEUTEBERG,  
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER,  
SAMUEL HEMPLE CHAUVENET,  
JOHN WILLIAM HOUGH,  
HENRY WILLIAM THIELE. A.M.

1872.

ELIOT CONWAY JEWETT,  
 LYNE SHACKLEFORD METCALFE, JR.,  
 WILLIAM FRANCIS PATRICK,  
 MARTIN HAYWARD POST,  
 ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN,  
 WILLIAM SAMUEL CURTIS,  
 JOHN WEBSTER SPARGO.

1874.

ED. MONROE BOWMAN,  
 AZBY AUGUSTUS CHOUTEAU,  
 FRED. ERNEST D'OENCH,  
 FRED. BERTHOLD EWING,  
 \*LUTHER KENNETT FARRAR. 1874.  
 WILLIAM RIDG SCHUYLER,  
 GEORGE LINCOLN STEVENS.

## GRADUATES IN POLYTECHNIC SCHOOL.

1866.

REGIS CHAUVENET, B.S.,  
 EDWARD SINGLETON HOLDEN, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871,  
 EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.,  
 RUDOLPH RITTER, C.E.,  
 ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.,  
 RUFUS JUDAH DELANO, C.E.,  
 ALBERT FRED. D'OENCH, M.E.

1873.

ROBERT ABELES, C.E.,  
ADOLPHUS LOVINGSTON, C.E.,  
HUBERT TAUSSIG, C.E.

1874.

WINTHROP BARTLETT, C.E.,  
HENRY W. DOUGLASS, C.E.,  
MINARD L. HOLMAN, C.E.,  
ELIOT CONWAY JEWETT, A.B., C.E.,  
WILLIAM FRANCIS PATRICK, A.B., E.M.

## GRADUATES IN LAW.

1869.

MAURICE D. COLLIER,  
DANIEL DILLON,  
JAMES S. GARLAND,  
WILLIAM E. HALL,  
JOHN H. NICHOLSON,  
JOHN H. PLAYER,  
GIFFORD S. ROBINSON,  
CHARLES H. SEE,  
PHILIP SUTHERLIN,  
PETER J. TAAFE,  
JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY,  
LEWIS E. BEACH,  
NATHANIEL C. DRYDEN,  
EDWARD P. McCARTY,  
WILLIAM F. MARSH,  
OTTO W. MEYSENBURG,  
RICHARD H. NORTON,  
ALFRED A. PAXTON,  
WILLIAM T. RICHMOND,

1871.

PHEBE W. COUZINS.  
ALEX. N. DEMENIL,  
SILAS W. DOOLEY,  
HENRY C. HART, JR.,  
HENRY C. HOGG,  
WM. T. HOUSTON,  
FRED. N. JUDSON,  
WM. C. KUEFFEN,  
FOSTER T. MARTIN,  
DAVID MURPHY,  
WILLARD A. SMITH,  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH,  
HENRY I. D'ARCY,  
DAVID GOLDSMITH,  
JOHN J. McCANN,  
JOHN L. MAXWELL,  
HENRY E. MILLS,  
CHARLES NAGEL,  
ALBERT NIGGEMAN,  
HENRY O'GORMAN,  
THOMAS J. ROWE,  
LEANDER J. SMITH,  
MICHAEL J. SULLIVAN,  
GEORGE W. TAUSSIG,  
EUGENE C. TITTMAN,  
FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE,  
IRENEUS D. FOULON,  
BENJAMIN F. HEDGES,  
J. LINN LADD,  
MICHAEL J. MURPHY,  
JOHN F. O'ROURKE,  
BARNETT W. PRESCOTT,

CHARLES G. SINGLETON,  
CHARLES E. STARR,  
CHARLES F. W. DASSLER,  
EDWARD L. GOTTSCHALK,  
THEODORE HUNT,  
HUGO MUENCH,  
SIMON OBERMEYER,  
JAMES M. PEARSON,  
HENRY CLAY RILEY,  
WILLIAM C. SMITH,  
HENRY M. TALLMAN.

1874.

AMBROSE D. COUNTRYMAN,  
JOHN D. DAVIS,  
FRANK HICKS,  
CHRISTIAN KOERNER,  
F. L. LINTON,  
J. B. McHOSE.  
CHARLES NEWMAN,  
JOHN V. NOELL,  
FRANK W. PEEBLES.

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#### HONORARY GRADUATES.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.



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A CATALOGUE

OF THE

OFFICERS, STUDENTS AND COURSE OF STUDY

IN THE SEVERAL DEPARTMENTS OF

WASHINGTON UNIVERSITY

FOR THE

ACADEMIC YEAR 1875-76.

FIRST TERM.

SAINT LOUIS.

K. P. FREEMAN & SONS, PRINTERS, 21 NORTH MAIN STREET.  
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E. F. SNODDY COMPANY, PRINTERS, 221 NORTH MAIN STREET,

1875.

**1876**

|          | Sund. | Mond. | Tues. | Wed. | Thurs. | Frid. | Satur. |
|----------|-------|-------|-------|------|--------|-------|--------|
| Jan...   | 2     | 3     | 4     | 5    | 6      | 7     | 8      |
|          | 9     | 10    | 11    | 12   | 13     | 14    | 15     |
|          | 16    | 17    | 18    | 19   | 20     | 21    | 22     |
|          | 23    | 24    | 25    | 26   | 27     | 28    | 29     |
|          | 30    | 31    | ...   | ...  | ...    | ...   | ...    |
| Feb...   | 6     | 7     | 8     | 9    | 10     | 11    | 12     |
|          | 13    | 14    | 15    | 16   | 17     | 18    | 19     |
|          | 20    | 21    | 22    | 23   | 24     | 25    | 26     |
|          | 27    | 28    | 29    | ...  | ...    | ...   | ...    |
| Mar...   | 5     | 6     | 7     | 8    | 9      | 10    | 11     |
|          | 12    | 13    | 14    | 15   | 16     | 17    | 18     |
|          | 19    | 20    | 21    | 22   | 23     | 24    | 25     |
|          | 26    | 27    | 28    | 29   | 30     | 31    | ...    |
| April... | 2     | 3     | 4     | 5    | 6      | 7     | 8      |
|          | 9     | 10    | 11    | 12   | 13     | 14    | 15     |
|          | 16    | 17    | 18    | 19   | 20     | 21    | 22     |
|          | 23    | 24    | 25    | 26   | 27     | 28    | 29     |
|          | 30    | ...   | ...   | ...  | ...    | ...   | ...    |
| May...   | 7     | 8     | 9     | 10   | 11     | 12    | 13     |
|          | 14    | 15    | 16    | 17   | 18     | 19    | 20     |
|          | 21    | 22    | 23    | 24   | 25     | 26    | 27     |
|          | 28    | 29    | 30    | 31   | ...    | ...   | ...    |
| June...  | 4     | 5     | 6     | 7    | 8      | 9     | 10     |
|          | 11    | 12    | 13    | 14   | 15     | 16    | 17     |
|          | 18    | 19    | 20    | 21   | 22     | 23    | 24     |
|          | 25    | 26    | 27    | 28   | 29     | 30    | ...    |
|          | ...   | ...   | ...   | ...  | ...    | ...   | ...    |

**1876**

|         | Sund. | Mond. | Tues. | Wed. | Thurs. | Frid. | Satur. |
|---------|-------|-------|-------|------|--------|-------|--------|
| July... | 2     | 3     | 4     | 5    | 6      | 7     | 8      |
|         | 9     | 10    | 11    | 12   | 13     | 14    | 15     |
|         | 16    | 17    | 18    | 19   | 20     | 21    | 22     |
|         | 23    | 24    | 25    | 26   | 27     | 28    | 29     |
|         | 30    | 31    | ...   | ...  | ...    | ...   | ...    |
| Aug...  | 6     | 7     | 8     | 9    | 10     | 11    | 12     |
|         | 13    | 14    | 15    | 16   | 17     | 18    | 19     |
|         | 20    | 21    | 22    | 23   | 24     | 25    | 26     |
|         | 27    | 28    | 29    | 30   | 31     | ...   | ...    |
| Sept... | 3     | 4     | 5     | 6    | 7      | 8     | 9      |
|         | 10    | 11    | 12    | 13   | 14     | 15    | 16     |
|         | 17    | 18    | 19    | 20   | 21     | 22    | 23     |
|         | 24    | 25    | 26    | 27   | 28     | 29    | 30     |
|         | ...   | ...   | ...   | ...  | ...    | ...   | ...    |
| Oct...  | 8     | 9     | 10    | 11   | 12     | 13    | 14     |
|         | 15    | 16    | 17    | 18   | 19     | 20    | 21     |
|         | 22    | 23    | 24    | 25   | 26     | 27    | 28     |
|         | 29    | 30    | 31    | ...  | ...    | ...   | ...    |
| Nov...  | 5     | 6     | 7     | 8    | 9      | 10    | 11     |
|         | 12    | 13    | 14    | 15   | 16     | 17    | 18     |
|         | 19    | 20    | 21    | 22   | 23     | 24    | 25     |
|         | 26    | 27    | 28    | 29   | 30     | ...   | ...    |
| Dec...  | 3     | 4     | 5     | 6    | 7      | 8     | 9      |
|         | 10    | 11    | 12    | 13   | 14     | 15    | 16     |
|         | 17    | 18    | 19    | 20   | 21     | 22    | 23     |
|         | 24    | 25    | 26    | 27   | 28     | 29    | 30     |
|         | 31    | ...   | ...   | ...  | ...    | ...   | ...    |

# UNIVERSITY CALENDAR.

1875—76.

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EXAMINATION FOR ADMISSION to the College and Polytechnic School,  
Friday and Saturday, September 10 and 11, 1875.

FIRST TERM begins Monday, September 13.

LAW SCHOOL opens Wednesday, October 13.

HOLIDAY, THANKSGIVING DAY, Thursday, November 25.

WINTER VACATION, December 23, 1875, to January 2, 1876, inclusive.

SEMI-ANNUAL EXAMINATION, January 24—28.

SECOND TERM begins January 31.

HOLIDAY Tuesday, February 22, Washington's Birthday.

ALUMNI MEETING, February—

IRVING UNION EXHIBITION, Thursday, May 11.

HOLIDAY, Friday, May 12.

LAW COMMENCEMENT Monday, May 15.

SENIOR EXAMINATION, June 1, 2.

ANNUAL EXAMINATION, June 7—14.

EXAMINATION FOR ADMISSION to the College and Polytechnic School,  
Monday and Tuesday, June 12, 13.

COMMENCEMENT, Thursday, June 15.

SUMMER VACATION, June 15 to September 11.

1876—77.

EXAMINATION FOR ADMISSION to the College and Polytechnic School,  
Friday and Saturday, September 8, 9, 1876.

FIRST TERM begins Monday, September 11.

LAW SCHOOL opens Wednesday, October 11.

HOLIDAY, THANKSGIVING DAY. —, —, —.

WINTER VACATION, December 22, 1876, to January 1, 1877, inclusive.

SEMI-ANNUAL EXAMINATION, January 22—26.

SECOND TERM begins Monday, January 29.

# CORPORATION.

---

PRESIDENT:

WILLIAM G. ELIOT.

VICE-PRESIDENT:

WAYMAN CROW.

SECRETARY AND TREASURER:

SETH A. RANLETT.

DIRECTORS:

WILLIAM G. ELIOT,  
WAYMAN CROW,  
JOHN M. KRU M,  
JAMES SMITH,  
SETH A. RANLETT,  
GEORGE PARTRIDGE,  
JOHN R. SHEPLEY,  
GEORGE E. LEIGHTON,

ALBERT TODD,  
HENRY HITCHCOCK,  
JAMES E. YEATMAN,  
SAMUEL TREAT,  
CARLOS S. GREELEY,  
ROBERT CAMPBELL,  
JOHN P. COLLIER,  
JOHN T. DAVIS.

# OFFICERS

OF

## GOVERNMENT AND INSTRUCTION.

|                                                                                                                                   | BESIDENCE.          |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|
| WM. G. ELIOT, D.D., <i>Chancellor, and<br/>Tilston Professor of Political Economy.</i>                                            | 2660 Washington av. |
| ABRAM LITTON, M.D., <i>Eliot Professor<br/>of Chemistry.</i>                                                                      | 2220 Eugenia st.    |
| TRUMAN M. POST, D.D., <i>Professor of<br/>Ancient and Modern History.</i>                                                         | 3031 Lucas av.      |
| GEORGE ENGELMANN, M.D., <i>Professor<br/>of Botany and Natural History.</i>                                                       | 201 S. Fifth st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Pro-<br/>fessor of Intellectual and Moral Philosophy,<br/>and Principal of Mary Institute.</i> | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A. M.,<br><i>Collier Professor of Greek.</i>                                                                | 2626 Washington av. |
| HENRY HITCHCOCK, LL.D., <i>Professor<br/>of Real Prop. Law, and Provost of the Law<br/>School.</i>                                | 1507 Lucas Place.   |
| SAMUEL TREAT, A. M., <i>President of the<br/>Law Faculty.</i>                                                                     | 1114 Pine st.       |
| ALBERT TODD, A. M., <i>Lecturer on the<br/>Law of Real Property as applied to Con-<br/>veyancing.</i>                             | Laclede Hotel.      |
| ALEXANDER MARTIN, A.M., <i>Professor<br/>of International, Admiralty, Marine Insur-<br/>ance, and Maritime Law.</i>               | 1810 Wash st.       |

- SAMUEL REBER, A.M., *Professor of History and Science of Law, Constitutional Law, Torts, Equity and Successions*.....2206 Olive st.
- JOHN M. KRUM, A.M., *Lecturer on Criminal Law*.....1107 Washington av.
- GEORGE A. MADILL, A.M., *Professor of Real Property Law*.....3119 Chestnut st.
- CALVIN M. WOODWARD, A.M., *Thayer Professor of Mathematics and Applied Mechanics, and Dean of Polytechnic School*. [Geyer aves. Cor. of Missouri and Washington av., w. of Grand av.
- GEORGE E. JACKSON, A.M., *Professor of Latin*.....
- MARSHALL S. SNOW, A.M., *Professor of History, and Registrar of the College*.....2841 Olive st.
- GEORGE M. STEWART, A.M., *Professor of Mercantile Law and Contracts, and Dean of the Law Faculty*.....Planters' House.
- WM. EIMBECK, U.S.C.S., *Professor of Practical Astronomy*.....1143 S. Seventh st.
- WM. B. POTTER, A.M., E.M., *Allen Prof. of Mining and Metallurgy*.....Wash. University.
- F. WILLIAM RAEDER, S.B., *Professor of Architecture*.....1719 Lafayette av.
- DENHAM ARNOLD, A.M., *Professor of Physics, and Principal of the Academy*...2643 Washington av.
- CHARLES A. SMITH, C.E., *Professor of Civil and Mechanical Engineering*.....1518 Lafayette av.
- CHESTER H. KRUM, A.B., *Professor of the Law of Pleading, Practice and Evidence, Corporations and Domestic Relations*.....2732 Washington av.
- JOHN H. JENKS, M.D., *Professor of Physiology and Instructor in German*....1418 O'Fallon st.
- JAMES K. HOSMER, A.M., *Professor of English and German Literature*.....1510 Lafayette av.

## RESIDENCE.

|                                                                                   |                           |
|-----------------------------------------------------------------------------------|---------------------------|
| R. THOMPSON BOND, A.M., <i>Professor of Mathematics</i> .....                     | 3015 Thomas st.           |
| FRANCIS E. NIPHER, A.M., <i>Wayman Crow Professor of Physics</i> .....            | 1728 Washington av.       |
| HALSEY C. IVES, <i>Teacher of Free-Hand and Mechanical Drawing</i> .....          | Washington Univer-        |
| JAMES A. LANIUS, <i>First Assistant in the Academy</i> .....                      | [sity. 1304 Webster av.   |
| ALBERT E. WARDNER, A.M., <i>First Assistant in the Academy</i> .....              | Webster Groves.           |
| ISAAC N. CUNDALL, A.M., <i>Teacher of Third Academic</i> .....                    | 2600 Stoddard st.         |
| CHARLES H. STONE, <i>Teacher of Fourth Academic</i> .....                         | 1017 N. 16th st.          |
| HORACE A. BROWN, LL.B., <i>Teacher of English Branches and Book-Keeping</i> ..... | 2610 Stoddard st.         |
| ELI R. OFFUTT, <i>Teacher of Mathematics</i> .....                                | 2802 Gamble st.           |
| WM. S. CURTIS, A.B., <i>Teacher of Fifth Academic</i> .....                       | 3212 Sheridan av.         |
| ROBERT W. CONANT, A.B., <i>Assistant in the Academy</i> .....                     | 1506 Washington av.       |
| WALDEMAR MALMENE, M.B., <i>Cantab. Teacher of Vocal Music</i> .....               | 1635 Washington av.       |
| RUFUS J. DELANO, C.E., <i>Instructor in Gynastics</i> .....                       | [sity. Washington Univer- |
| Mrs. ANNA B. HILLMAN, <i>Teacher in Preparatory Department</i> .....              | 2723 Wash st.             |
| Miss INEZ E. BORDEN, <i>Teacher in Preparatory Department</i> .....               | 1802 Olive st.            |
| Miss AMANDA FORD, <i>Principal of Primary Department</i> .....                    | 1802 Olive st.            |
| Miss LIZZIE W. LEIGH, <i>Ass't Teacher in Primary Department</i> .....            | 3214 Sheridan av.         |

## MARY INSTITUTE.

|                                                                                 | RESIDENCE           |
|---------------------------------------------------------------------------------|---------------------|
| CALVIN S. PENNELL, A.M., <i>Principal</i>                                       | 1600 Pine st.       |
| Miss MARY S. WATKINS, <i>Instructor in Latin and Natural Sciences</i>           | 711 Locust st.      |
| Miss HENRIETTA SAWYER, <i>Principal Preparatory Department</i>                  | 2839 Olive st.      |
| Miss MARGARET T. WALLACE, <i>Principal of Primary Department</i>                | 2926 Laeclde av.    |
| Mrs. REBECCA M. HUNTINGTON, <i>Assistant in Primary Department</i>              | 1230 Washington av  |
| Miss FLORENCE K. HOLDEN, <i>Instructor in Penmanship and Book-Keeping</i>       | 1314 Olive st.      |
| Miss SARAH E. COLE, <i>Instructor in Natural Sciences and Mathematics</i>       | 1420 Washington av. |
| Miss JULIA F. RIPLEY, <i>Teacher of Natural Philosophy and English Branches</i> | 1510 Lafayette av.  |
| Miss ANNIE WALL, <i>Teacher of History and German</i>                           | 2810 Locust st.     |
| Miss CAROLINE M. PEASE, <i>Teacher of English Branches</i>                      | 711 Locust st.      |
| Mrs. ANNIE L. McCARGO, <i>Teacher of English Branches</i>                       | 2923 Laeclde av.    |
| MADAME LOUISE GRANDJEAN, <i>Teacher of French</i>                               | 1626 Dodier st.     |
| Miss HELEN E. SEAVEY, <i>Assistant in French, and Teacher of English</i>        | 1314 Wash av.       |
| Miss JOSEPHINE E. YEOMAN, <i>Teacher of Reading and Composition</i>             | 2921 Laeclde av.    |
| Miss SAIDEE DUNNICA, <i>Teacher of Gymnastics and English Branches</i>          | 1609 Hickory st.    |
| Mrs. KATE J. BRAINERD, <i>Teacher of Vocal and Instrumental Music</i>           | 2610 Olive st.      |
| Miss SARAH M. MILLS, <i>Teacher of Drawing</i>                                  | 1703 Olive st.      |

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853. comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of Practical and Scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857. declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into the charge or charges that may be preferred, in respect thereof,

by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University."

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charges hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic or Scientific School was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law School was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities for education, apparatus, library,

buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitan city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those afforded in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principle on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

#### “ARTICLE V.

##### “ENDOWMENT OF PROFESSORSHIPS.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.”

#### “ARTICLE VI.

##### “ENDOWMENT OF DEPARTMENTS.

“Any person may found, by an adequate endowment, a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.”

## "ARTICLE VII.

## "SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University,"

## THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

## THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thomas Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors, and the Department is now organized on a complete and thorough basis, so as to meet fully the intention of the giver.

## ORGANIZATION.

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### WASHINGTON UNIVERSITY

#### COMPREHENDS:

I.—THE ACADEMY.

II.—MARY INSTITUTE.

III.—THE COLLEGE.

IV.—THE POLYTECHNIC SCHOOL.

V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Students entering the Polytechnic School and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic School without examination.

At a meeting of the Board of Directors of the University, held in November, 1874, the following resolutions were adopted:

*Resolved*, On recommendation of the Faculty, and with a view to the promotion of the best interests of learning and science, and for the encouragement of young men to obtain a complete education before entering upon a professional career.

1.—That the graduates of the College of the University shall have *free admission* to the classes of the Polytechnic School, either as regular or partial students, subject to the rules and regulations of the same.

2.—That the graduates of the Polytechnic School shall have *free admission* to the College classes, either as regular or partial students, subject to the rules and regulations of the same.

The following resolution was also passed, embodying the principle already in practical operation, but not previously placed upon record:

“That the graduates of Mary Institute in full standing shall be entitled to free admission to the classes of the College or Polytechnic School, either as regular or partial students, on examination, and subject to the rules and regulations of said departments: it being distinctly understood that a diploma shall not be given to any such student, except on completion of the full course of study.”

# I.—THE ACADEMY.

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## FACULTY AND INSTRUCTORS.

---

WM. G. ELIOT, D.D.,

CHANCELLOR.

DENHAM ARNOLD, A.M.,

PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.M.

HALSEY C. IVES.

ALBERT E. WARDNER, A.M.

JAMES A. LANIUS.

ISAAC N. CUNDALL, A.M.

CHARLES H. STONE.

HORACE A. BROWN, LL.B.

ELI R. OFFUTT.

WM. S. CURTIS, A.B.

ROBERT W. CONANT, A.B.

WALDEMAR MALMENE.

Mrs. ANNA B. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

## STUDENTS.

## ADVANCED CLASS.

| NAMES                        | RESIDENCE.                |
|------------------------------|---------------------------|
| Adams, John.....             | Jefferson Barracks.       |
| Breckinridge, John.....      | 2303 Olive street.        |
| Case, Calvin M.....          | Baden, St. Louis County.  |
| Clark, Robert Stuart.....    | 3006 Locust street.       |
| Clayton, Clarence W.....     | Webster Groves.           |
| Donnan, Alexander Coe.....   | Carondelet.               |
| Dorsey, Montrose Pullen..... | Bunker Hill, Illinois.    |
| Fishback, Louis M.....       | 2117 Olive street.        |
| Kaine, Edwin Francis.....    | Grand avenue.             |
| McNeil, Gordon Charles.....  | 1806 Carr street.         |
| Monell, Joseph.....          | 319 North Seventh street. |
| Shapleigh, Richard Waldron.. | 1229 Washington avenue.   |
| Thomas, Benj. F.....         | Central Township.         |
| Von Schrader, Otto.....      | 1315 Garrison avenue.     |
| Wulffing, Max.....           | 1919 Gratiot street.      |
| Total, 15.                   |                           |

## FIRST CLASS.

|                               |                          |
|-------------------------------|--------------------------|
| Aderton, Joseph G.....        | 2451 Olive street.       |
| Akers, William A.....         | Woodlawn.                |
| Aull, Wilson.....             | 3516 Washington avenue.  |
| Baron, Julius.....            | 1214 South Fifth street. |
| Campbell, Hazlett K.....      | 1508 Lucas Place.        |
| Campbell, James A.....        | 1508 Lucas Place.        |
| Dryden, Nathaniel J.....      | 1112 Madison street.     |
| Jackson, Edward F.....        | 3658 Washington avenue.  |
| Kennett, George C.....        | 2835 Pine street.        |
| Latlin, Sylvester H., Jr..... | 1218 Olive street.       |

## NAMES.

## RESIDENCE.

|                          |                                 |
|--------------------------|---------------------------------|
| McLean, James S.....     | Washington, Franklin Co., Mo.   |
| Meier, Theodore F.....   | Miami street, cor. Ohio avenue. |
| Sappington, Lewis A..... | Sappington, Missouri.           |
| Sells, Edward.....       | 3001 Cass avenue.               |
| Shepley, George F.....   | 1518 Washington avenue.         |
| Willis, Fred Chas.....   | 1621 Washington avenue.         |
| Total, 16.               |                                 |

## SECOND CLASS.

|                              |                                |
|------------------------------|--------------------------------|
| Bell, Ernest P.....          | 3623 Olive street.             |
| Block, Robert C.....         | Aberdeen, Missouri.            |
| Bremermann, Robert G.....    | 928 Winter street.             |
| Buckle, George.....          | 1011 Compton avenue.           |
| Button, Alfred A.....        | 1402 North Fourteenth street.  |
| Calhoun, Isaac K.....        | 2705 Lucas avenue.             |
| Cameron, Edward Arthur....   | 1524 Mississippi avenue.       |
| Chamberlain, Eliot H.....    | 1819 Washington avenue.        |
| Dorsey, Richard Edward.....  | Bunker Hill, Illinois.         |
| Duffer, Charles H.....       | 2025 Walnut street.            |
| Filley, Augustus.....        | 1614 Olive street.             |
| Filley, William Joseph.....  | 1527 Lucas Place.              |
| Flake, Albert.....           | Galveston, Texas.              |
| Fox, Edward B.....           | Kirkwood, Missouri.            |
| Gazzam, Joseph Parker.....   | 2810 Pine street.              |
| Helfenstein, Philip, Jr..... | Webster Groves.                |
| Johnson, Lee R.....          | Collinsville, Illinois.        |
| Jones, Harry K.....          | East St. Louis.                |
| Kaine, Benj. E.....          | 3521 Lucas avenue.             |
| Kaine, George James.....     | Grand avenue.                  |
| Knight, Frank H.....         | Fairview, Missouri.            |
| Lane, Presley Carr.....      | Pine street, beyond Grand ave. |
| Leathe, Samuel.....          | 2700 Lucas avenue.             |
| McHatton, Chas. G. Jr.....   | 2131 Walnut street.            |
| Mallinekrodt, Emil, Jr.....  | Central Township.              |
| Nulsen, Max August.....      | 1641 Missouri avenue.          |
| Perkins, Nathan W., Jr.....  | 1503 Chestnut street.          |

| NAMES.                        | RESIDENCE.               |
|-------------------------------|--------------------------|
| Pfouts, James.....            | 3412 Morgan street.      |
| Pilley, Lytton W.....         | Iron Mountain, Missouri. |
| Plessner, Henry.....          | Holden, Missouri.        |
| Primm, Benj. J.....           | Belleville, Illinois.    |
| Rosenheim, Alfred F.....      | 3042 Locust street.      |
| Rumbold, Frank M.....         | 1205 Washington avenue.  |
| Shapleigh, Alfred Lee.....    | 1229 Washington avenue.  |
| Slippen, William F.....       | 2928 Olive street.       |
| Snyder, William Henry, Jr.... | Belleville, Illinois.    |
| Switzer, Robert J.....        | 1725 Washington avenue.  |
| Utterback, Charles B.....     | 3024 Morgan street.      |
| Westermann, Alfred O.....     | 1926 Carr street.        |
| Wilkinson, Walter P.....      | 1201 Hickory street.     |
|                               | Total, 40.               |

## THIRD CLASS.

|                              |                            |
|------------------------------|----------------------------|
| Adams, Frank J.....          | Jefferson Barracks.        |
| Branch, Joseph C.....        | 3803 Bellefontaine Road.   |
| Bryan, P. Taylor.....        | 1405 Pine street.          |
| Cavender, James S.....       | Benton Place.              |
| Clark, W. Glenn, Jr.....     | 1530 Washington avenue.    |
| Cline, Geo. W., Jr.....      | 840 South Eighth street.   |
| Collins, Thomas Richeson.... | 2119 Eugenia street.       |
| Deickriede, Robert C.....    | 1613 Chouteau avenue.      |
| Finch, Lewis Montrose.....   | 3709 North Ninth street.   |
| Fishback, Geo. W.....        | 2117 Olive street.         |
| Frederick, Wm. C.....        | 3112 Bell street.          |
| Freligh, Lewis H., Jr.....   | 1436 North Francis street. |
| Gildehaus, Henry Wm.....     | 1910 Gratiot street.       |
| Glasgow, Julian K.....       | 1510 Washington avenue.    |
| Gregg, Wm. H., Jr.....       | 2639 Pine street.          |
| Groshon, Maurice.....        | Webster Groves.            |
| Heermans, Henry P.....       | 1827 Washington avenue.    |
| Herndon, Eddie L.....        | 2727 Morgan street.        |
| Johnston, Wm. H.....         | 2612 Locust street.        |
| Kennett, Kenneth Wilson....  | 2835 Pine street.          |

## NAMES.

## RESIDENCE.

|                                |                              |
|--------------------------------|------------------------------|
| Kinear, Hamilton E.....        | 3104 Locust street.          |
| Mallinckrodt, Osear.....       | Central P. O.                |
| McKittrick, Adam McM.....      | 1628 Pine street.            |
| Moore, John A.....             | 1221 St. Ange avenue.        |
| Obear, Thomas S.....           | Grand avenue near Lafayette. |
| Orr, Wm. A.....                | Lafayette avenue.            |
| Patrick, Warner K.....         | 1618 Washington avenue.      |
| Peper, Chas.....               | 1522 Morgan street.          |
| Reiley, James Eugene.....      | 2627 Locust street.          |
| Schneider, Philip Wm., Jr..... | 1832 South Eighth street.    |
| Scudder, Wm. H., Jr.....       | St. Louis Township.          |
| Simon, Chas. Fitzhugh.....     | 2831 Locust street. [Thomas. |
| Starkwather, Oakley B.....     | Lafayette avenue, bet. May & |
| Stifel, Herman C.....          | 966 Chouteau avenue.         |
| Stone Cola E.....              | 1017 North Sixteenth street. |
| Willis, Chas. L.....           | 413 North Eighth street.     |
| Woods, Samuel N.....           | Woodlawn, Mo.                |
| Total, 37.                     |                              |

## FOURTH CLASS.

|                           |                         |
|---------------------------|-------------------------|
| Aglar, Frank B.....       | 1349 Washington avenue. |
| Anderson, James W.....    | 3017 Easton avenue.     |
| Babbitt, Edwin B.....     | Jefferson Barracks.     |
| Beakey, Edward James..... | 1508 Washington avenue. |
| Benson, Edward Wm.....    | 1924 Wash street.       |
| Bremermann, Chas. M.....  | 928 Winter street.      |
| Bryan, John Gano.....     | Kirkwood, Missouri.     |
| Columan, Frank P.....     | St. Louis Township.     |
| Ehrhardt, Fred.....       | Beardstown, Illinois.   |
| Evens, Ellis L.....       | 2814 Locust street.     |
| Feldmann, Richard.....    | Hermann, Missouri.      |
| Finger, Albert.....       | Marissa, Illinois.      |
| Gempp, Arthur.....        | 1225 Dolman street.     |
| Givens, Joseph S.....     | 2909 Morgan street.     |
| Gordon, Robert C.....     | 2601 Olive street.      |
| Grindon, Arthur T.....    | 2311 Market street.     |

| NAMES.                     | RESIDENCE.                      |
|----------------------------|---------------------------------|
| Hahn, Frederick C.....     | 3034 Second Carondelet avenue.  |
| Jacobson, Arthur.....      | 1617 Wash street.               |
| Jannary, Derrick A.....    | 1137 Washington avenue.         |
| Knox, Prevost Mason.....   | Lindell Hotel. [streets.        |
| Krausse, Emil B., Jr.....  | Menard, bet. Sydney & Lynch     |
| Lane, Price.....           | Pine st., west of Grand avenue. |
| McKittrick, Geo. H.....    | 1628 Pine street.               |
| McKittrick, Thomas.....    | 1119 Washington avenue.         |
| McLaran, Robt. L.....      | 1628 Lucas Place.               |
| McLaughlin, Eugene.....    | 3244 Olive street.              |
| Offutt, Marshal M.....     | 2802 Gamble street.             |
| Payn, William H.....       | Fourth, bet. Olive & Nebraska   |
| Perry, Richard E.....      | 719 Garrison av. [sts., Carond. |
| Platt, Philip C.....       | 1623 Carr street.               |
| Poeock, Henry John.....    | 3107 Bell street.               |
| Reutlinger, Charles A..... | 1614 St. Louis avenue.          |
| Rose, Louis.....           | 2937 Hickory street.            |
| Samuel, Edward M.....      | 2341 Chestnut street.           |
| Schoenthaler, John P.....  | 1227 Grattan street.            |
| Schulte, Henry C.....      | Galveston, Texas.               |
| Singer, Wm.....            | 1311 La Salle street.           |
| Stanard, William K.....    | 1417 Chouteau avenue.           |
| Stifel, Otto F.....        | 1901 North Fourteenth street.   |
| Swift, Roswell B.....      | 2035 Eugenia street.            |
| Taussig, Walter M.....     | 1526 Mississippi avenue.        |
| Taylor, Geo. R., Jr.....   | 1804 Lucas Place.               |
| Tiemann, Lewis E.....      | Belleville, Illinois.           |
| Tower, Geo. F., Jr.....    | Grand avenue.                   |
| Von Schrader, George.....  | 1315 Garrison avenue.           |
| Wakefield, Loren A.....    | 117 Summit avenue. [Miss.       |
| Ward, James W.....         | Leota Land'g, Washington Co.,   |
|                            | Total, 47.                      |

## FIFTH CLASS.

|                          |                      |
|--------------------------|----------------------|
| Ames, Henry Semple.....  | 1615 Lucas Place.    |
| Bolte, Fred. S.....      | 1310 Broadway.       |
| Bosworth, Charles E..... | 2109 Eugenia street. |

## NAMES.

## RESIDENCE.

|                               |                               |
|-------------------------------|-------------------------------|
| Calhoun, James C.....         | 2705 Lucas avenue.            |
| Capen, Samuel D.....          | 1520 Olive street.            |
| Clement, George H.....        | Cheltenham, Mo.               |
| Cubberly, Charles C.....      | 924 Brooklyn street.          |
| Cuddy, Ross P.....            | 2727 Dayton street.           |
| Fabian, Carl.....             | 1417 Park avenue.             |
| Franklin, Nathaniel Lyon..... | 3028 Easton avenue.           |
| Gage, Charles L., Jr.....     | 3668 Washington avenue.       |
| Gerdemann, George William...  | Cappeln, St. Charles Co., Mo. |
| Hays, Harry D.....            | 2705 Lucas avenue.            |
| Hummel Joseph.....            | Freeburg, Illinois.           |
| Jenne, Joseph.....            | 2628 Market street.           |
| John, John.....               | Freeburg, Illinois.           |
| Knox, Lefferts.....           | Lindell Hotel.                |
| Knox, William H.....          | Philadelphia, Missouri.       |
| Koenig, Alfred W.....         | 1000 Sydney street.           |
| Kranpe, Fred. W., Jr.....     | 1406 Warren street.           |
| Krenning, Francis H.....      | 1018 North Thirteenth street. |
| Lane, Ralph.....              | Pine street, w. Grand avenue. |
| Mellhany, Richard B.....      | 3015 Thomas street.           |
| McMath, Thomas B.....         | Cor. Page and Spring avenues. |
| McNeil, William E.....        | 1806 Carr street.             |
| McVean, Fred. C.....          | Jefferson Barracks.           |
| Mues, Edward F.....           | 2925 Dickson street.          |
| Ohlman, Edward L.....         | Rosamond, Illinois.           |
| Olcott, Arthur W.....         | Webster Groves, Mo.           |
| Pegram, Frank R.....          | 1321 Chouteau avenue.         |
| Petring, George Henry.....    | 1709 Wash street.             |
| Purvis, Charles H.....        | 3106 Lucas avenue.            |
| Renick, Guy G.....            | 924 Chouteau avenue.          |
| Rose, Henry.....              | 2937 Hickory street.          |
| Rudolph, Herman A.....        | Belleville, Illinois.         |
| Stark, Cornelius G.....       | 1012 N. Twenty-fourth street. |
| Stewart, James, Jr.....       | 1900 Lucas avenue.            |
| Stolle, Henry.....            | 1122 N. Nineteenth street.    |
| Stone, Sam Gaty.....          | 3912 N. Tenth street.         |
| Streett, Eugene.....          | Cook avenue, near Grand.      |
| Turner, Wilson P. H.....      | 1706 Lucas Place.             |

| NAMES.                     | RESIDENCE.            |
|----------------------------|-----------------------|
| Winkelmeyer, Adolph E..... | 1714 Market street.   |
| Wiseman, Arthur A.....     | 3531 Chestnut street. |
|                            | Total, 43.            |

## PREPARATORY SCIENTIFIC CLASS.

|                               |                                 |
|-------------------------------|---------------------------------|
| Abend, Alexander P. E.....    | Belleville, Illinois.           |
| Andrews, Lewis P.....         | Carondelet, Mo.                 |
| Block, Wm. A.....             | 1632 Warren street.             |
| Bowman, Samuel B.....         | 3137 Lucas avenue.              |
| Crandall, Willard R.....      | 2747 Walnut street.             |
| Creveling, William Clement... | 1425 Lucas Place.               |
| Feickert, Julius.....         | Belleville, Illinois.           |
| Gilbert, Mathew J.....        | Toney street, near Park avenue. |
| Gregory, Clay.....            | 1108 Locust street.             |
| Hazeltine, Wm. B., Jr.....    | 2731 Pine street.               |
| Johnson, Cave.....            | 2342 Olive street.              |
| Keferstein, Wm. Lewis.....    | 1128 St. Ange avenue.           |
| Noetling, Wm. F.....          | Belleville, Illinois.           |
| Primm, L. J., Clawson.....    | Belleville, Illinois.           |
| Roplequet, Otto W.....        | Belleville, Illinois.           |
| Wilkinson, Honore P.....      | 1201 Hickory street.            |
|                               | Total, 16.                      |

## COMMERCIAL CLASS.

|                               |                         |
|-------------------------------|-------------------------|
| Berchermann, Anthony C.....   | 1801 Wash street.       |
| Buck, Ralph S.....            | 2917 Morgan street.     |
| Carr, George A.....           | 1908 Wash street.       |
| Gass, Frank W.....            | 1512 Olive street.      |
| Malin, John H.....            | Laclede Hotel.          |
| Papin, George.....            | Webster Groves.         |
| Peck, John A.....             | 3607 Vandeventer Place. |
| Rea, George Thomas.....       | 2707 Mill street.       |
| Redemeyer, William H., Jr.... | 1228 N. Market street.  |
| Russell, S. Bent.....         | Oak Hill, Mo.           |

## NAMES.

## RESIDENCE-

|                          |                               |
|--------------------------|-------------------------------|
| Von Phul, Stephen F..... | 2121 Pine street.             |
| Wiseman, Oliver F.....   | 3531 Chestnut street.         |
| Wolff, Edward B.....     | Papin avenue, Cote Brillante. |
| Total, 13.               |                               |

## PREPARATORY CLASS.

|                              |                               |
|------------------------------|-------------------------------|
| Anderson, Arthur E.....      | 1127 North Nineteenth street. |
| Anderson, Louie A.....       | 3017 Easton avenue.           |
| Bogy, Lewis V.....           | 1610 Lucas Place.             |
| Brant Charles O.....         | Lindell Hotel.                |
| Brown, Gratz K.....          | 3130 Sheridan avenue.         |
| Chambers, James H.....       | Belvedere Hotel.              |
| Colburn, Walter B.....       | 310 North Eleventh street.    |
| Cundall, Walter A.....       | 2600 Stoddard street.         |
| Dean, William W.....         | 1728 Washington avenue.       |
| Dent, William B.....         | 3407 Washington avenue.       |
| Deuper, Edward H.....        | 2516 North Fourteenth street. |
| Dougherty, James Edgar.....  | 2716 Olive street.            |
| Filley, Victor G.....        | 1527 Lucas Place.,            |
| Gordon, Lindell.....         | 2601 Olive street.            |
| Hillegeist, Edward B.....    | 903 Salisbury street.         |
| Hodges, Abel B. W.....       | 2115 Walnut street.           |
| Hoffmann, Geo. J.....        | 823 Wright street.            |
| Hoffmann, William A.....     | 2720 De Kalb street.          |
| Kaine, William W.....        | Grand avenue.                 |
| Leighton, George B.....      | Glendale, Missouri.           |
| Lewis, Augustus G.....       | Bridgeton, Missouri.          |
| Logeman, Charles Alfred..... | 1827 Carr street.             |
| Malmene, Charles H. W.....   | 1635 Washington avenue.       |
| McDonald, Malcolm W.....     | 200 North Eighth street.      |
| O'Fallon, Frank M.....       | 2927 Pine street.             |
| Pundt, Oscar H.....          | Omaha, Nebraska.              |
| Richards, Eben. Jr.....      | 1803 Washington avenue.       |
| Roos, William E.....         | 1021 South Twelfth street     |
| Russell, Daniel R.....       | Oakhill, Missouri.            |
| Smith, Irwin Z. Jr.....      | Venice, Illinois.             |

| NAMES.                   | RESIDENCE.                   |
|--------------------------|------------------------------|
| Storer, Frank D.....     |                              |
| Tilden, Grant.....       | 3005 Glasgow Place.          |
| Wall, Nicholas Roe ..... | 2702 Locust street.          |
| Ward, Junius R.....      | Leota Landing, Wash'ton Co., |
| Whitelaw, George G.....  | Southern Hotel. [Miss.       |
| Winter, Ruffin S.....    | 1103 St. Ange avenue.        |
| Zukoski, Edmund L.....   | 2709 Dayton street.          |
|                          | Total, 37.                   |

## PRIMARY CLASS.

|                               |                              |
|-------------------------------|------------------------------|
| Ames, Edgar.....              | 1605 Lucas Place.            |
| Bartholow, Russell N.....     | 3144 Locust street.          |
| Bartlett, James A.....        | 2312 Eugenia street.         |
| Bogy, Bernard P.....          | 1610 Lucas Place.            |
| Brackett, Darville S. A.....  | 1617 Washington avenue.      |
| Brant, Henry Benton.....      | Lindell Hotel.               |
| Brant, Tyler K.....           | Lindell Hotel.               |
| Capen, George H.....          | 1520 Olive street.           |
| Carter, Henry.....            | St. Louis Township.          |
| Cavender, Edward R.....       | Benton Place.                |
| Chamberlain, Fred B.....      | 1819 Washington avenue.      |
| Charlot, George Chapman.....  | 214 Emily street.            |
| Clark, Daniel H.....          | 2653 Washington avenue.      |
| Clark, Rufus L.....           | 1530 Washington avenue.      |
| Clemens, James.....           | Corner Twentieth & Cass ave. |
| Collins, Horace C.....        | 2119 Eugenia street.         |
| Conant, Allie J.....          | 1511 Olive street.           |
| Cook, Isaac, Jr.....          | Southern Hotel.              |
| Curtis, John G.....           | 3512 Olive street.           |
| Davis, John T., Jr.....       | 3131 Lucas avenue.           |
| Davis, Lindell.....           | 1351 Washington avenue.      |
| Glasgow, Willie J.....        | 1510 Washington avenue.      |
| Gordon, Clarence M.....       | 2601 Olive street.           |
| Griffith, Harold J.....       | 205 South Sixteenth street.  |
| Hebard, Alfred Partridge..... | 1618 Olive street.           |
| Hitchcock, George C.....      | 1507 Lucas Place.            |

| NAMES.                         | RESIDENCE.                   |
|--------------------------------|------------------------------|
| Krum, John M.....              | 2732 Washington avenue.      |
| Lackland, Henry K.....         | 2706 Lueas avenue.           |
| McDonald, Nathaniel.....       | Shaw's Park.                 |
| McKellops, Gerald G.....       | 615 Olive street.            |
| McNiehol, Robert Lee.....      | 1509 Chestnut street.        |
| Macqueen, Alexander M.....     | 2017 Park avenue.            |
| Mathey, Constant.....          | 1021 Dolman street.          |
| Maude, Lees.....               | 1731 Washington avenue.      |
| Meier, Adolphus.....           | 3916 Bellefontaine road.     |
| O'Fallon, Charles Pope.....    | 2927 Pine street.            |
| Peper, Adolph S.....           | 1522 Morgan street.          |
| Pocock, Walter .....           | 3110 Bell street.            |
| Ridgely, Samuel W.....         | 2631 Washington avenue.      |
| Ross, Edward K. ....           | 5 High street.               |
| Russell, Charles M.....        | Oakhill, Missouri.           |
| Russell, Edward M.....         | Oakhill, Missouri.           |
| Samuel, William R.....         | 2341 Chestnut street.        |
| Schmidt, Rudolph C.....        | 907 South Elghth street.     |
| Simpkins, Allan T.....         | 1107 Dillon street.          |
| Steedman, James H.....         | 2803 Pine street.            |
| Stone, Percy W.....            | 1017 North Sixteenth street. |
| Taylor, Walter C.....          | 1804 Lucas Place.            |
| Thompson, Frank C.....         | Lindell Hotel.               |
| Van Studdiford, Charles D. K.. | 1623 Olive street.           |
| Waters, William D.....         | 1603 Chestnut street.        |
| Total, 51.                     |                              |

## ADMISSION.

Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the preparatory Class, and provided with a separate room and special instructor. No pupil will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic School of the University.

COURSE OF STUDY.

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## FOURTH CLASS.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*History.*—Anderson's United States.

*English Grammar.*—Green's Introductory.

*Latin.*—Harkness's Introductory Latin Book.

*Reading, Writing and Spelling; Composition.*

## THIRD CLASS.

## FIRST TERM.

*Mathematics.*—Walton's Written Arithmetic and Stoddard's Intellectual Arithmetic.

*Latin.*—Harkness's Introductory Latin Book.

*English Grammar.*—Parsing and Analysis.

*Reading, Writing and Spelling; Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Walton's Written Arithmetic.

*Grammar.*—Parsing and Analysis.

*Latin.*—Harkness's Latin Reader.

*Reading, Writing and Spelling; Composition and Declamation.*

## SECOND CLASS.

## FIRST TERM.

*Geography.*—Warren's Physical Geography.

*Latin.*—Harkness's Cæsar.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Ficklin's Algebra.

*Latin.*—Harkness's Cæsar.

*Greek.*—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

## FIRST CLASS.

## FIRST TERM.

*Physiology.*—Dalton's.

*Mathematics.*—Ficklin's Algebra.

*Latin.*—Æneid of Virgil.

*Greek.*—Harkness's First Greek Book; Felton's Greek Reader.

*Rhetoric.*—Quackenbos's First Lessons.

*Composition and Declamation.*

## SECOND TERM.

*Mathematics.*—Ficklin's Algebra.

*Latin.*—Æneid of Virgil.

*Greek.*—Felton's Greek Reader.

*History.*—English History; Freeman.

*German.*—Otto's German Grammar.

*Composition and Declamation.*

## ADVANCED CLASS.

## FIRST TERM.

*Latin.*—Æneid of Virgil.

*Greek.*—Felton's Greek Reader; Greek Composition.

*Mathematics.*—Davies' Legendre.

*German.*—Comfort's German Reader.

*History.*—Pennell's Greece.

*Composition and Declamation.*

## SECOND TERM.

*Latin.*—Cicero's Orations; Latin Prose Composition.

*Greek.*—Anabasis; Greek Prose Composition.

*Mathematics.*—Davies's Legendre, continued.

*German.*—William Tell.

*History.*—Smith's Smaller Rome.

*Composition and Declamation.*

## PREPARATORY SCIENTIFIC CLASS.

## FIRST TERM.

*Algebra.*—Ficklin's.

*Physiology.*—Dalton's.

*German.*—Otto's Grammar; Comfort's German Reader.

*Rhetoric.*—Quackenbos's First Lessons.

*Composition and Declamation.*

*Geometry and Mechanical Drawing.*

## SECOND TERM.

*Algebra.*—Ficklin's, through Quadratics—use of Logarithms.

*Philosophy.*—Rolfe and Gillet's.

*History.*—English History; Freeman.

*German.*—William Tell.

*Geometry and Mechanical Drawing.*

*Composition and Declamation.*

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended also for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of the Academy, and classes are trained by a competent instructor.

## EXAMINATIONS. \*

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, public examinations are held at the close of the Academic term.

No student will be admitted to an advanced standing except upon examination.

## MONTHLY REPORTS.

Monthly Reports will be made of the attendance, deportment, standing, and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                 |        |
|-------------------------------------------------|--------|
| Primary Class, per term of 20 weeks.....        | 825 00 |
| Preparatory " " " .....                         | 30 00  |
| Fourth " " " .....                              | 35 00  |
| Third " " " .....                               | 37 50  |
| Second " " " .....                              | 40 00  |
| First " " " .....                               | 42 00  |
| Advanced " " " .....                            | 45 00  |
| Commercial " " " .....                          | 50 00  |
| Preparatory Scientific, per term of 20 weeks... | 50 00  |

These rates are for the current year only.

No *extra charge of any kind will be made*, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

## II.—MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1858, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics and the Natural Sciences will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic School of the University.

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### BOARD OF MANAGERS.

|                     |                    |
|---------------------|--------------------|
| WM. G. ELIOT, D.D., | HENRY HITCHCOCK,   |
| GEORGE E. LEIGHTON, | GEORGE PARTRIDGE,  |
| JOHN R. SHEPLEY,    | CARLOS S. GREELEY. |

## FACULTY.

- WM. G. ELIOT, D.D., *Chancellor.*  
CALVIN S. PENNELL, A.M., *Principal.*  
Miss MARY S. WATKINS.  
Miss HENRIETTA SAWYER.  
Miss MARGARET T. WALLACE.  
Miss FLORENCE K. HOLDEN.  
Miss SARAH E. COLE.  
Miss JOSEPHINE E. YEOMAN.  
Miss ANNIE WALL.  
Miss JULIA F. RIPLEY.  
Miss CAROLINE M. PEASE.  
Mrs. ANNIE L. McCARGO.  
Miss HELEN E. SEAVEY.  
Mrs. REBECCA M. HUNTINGTON.  
MADAME LOUISE GRANDJEAN.  
Mrs. KATE JONES BRAINERD.  
Miss SARAH M. MILLS.  
Miss SAIDEE DUNNICA.

## STUDENTS.

## SENIOR ADVANCED CLASS.

## NAMES.

## RESIDENCE.

|                         |                         |
|-------------------------|-------------------------|
| Breed, Hermione.....    | 2720 Washington avenue. |
| Horton, Carrie.....     | 3635 Lindell avenue.    |
| Seollay, Josephine..... | 827 Chouteau avenue.    |
| Wyman, Florence.....    | 3637 Lindell avenue.    |

Total, 4.

## JUNIOR ADVANCED CLASS.

|                         |                       |
|-------------------------|-----------------------|
| Groshon, Nellie C.....  | Webster Groves.       |
| Kribben, Edith W.....   | 923 Amelia avenue.    |
| Sellar, Marie E. A..... | 2218 Chestnut street. |

Total, 3.

## FIRST ACADEMIC CLASS.

|                         |                      |
|-------------------------|----------------------|
| Block, Lucretia M.....  | 2217 Olive street.   |
| Brooks, Josie C.....    | 1216 Pine street.    |
| Glasgow, Sarah L.....   | 3016 Glasgow Place.  |
| Jewett, Mary.....       | 2918 Morgan street.  |
| Pettes, Nellie G.....   | 2812 Locust street.  |
| Pollock, Nora.....      | 1103 Valle avenue.   |
| Powell, Lennie.....     | 2712 Lucas avenue.   |
| Swanwick, Nannie T..... | 2938 Laclede avenue. |

Total, 8.

## SECOND ACADEMIC CLASS.

| NAMES.                     | RESIDENCE.                 |
|----------------------------|----------------------------|
| Bént, Mary L.....          | 717 Garrison avenue.       |
| Chase, Ida W.....          | Grand avenue.              |
| Claiborne, Nathalie.....   | 3341 Morgan street.        |
| Clapp, Lillie F.....       | 1527 Lucas Place.          |
| Clark, Lizzie P.....       | 1530 Washington avenue.    |
| Dodd, Mary L.....          | 1318 Washington avenue.    |
| Fogg, Mary L.....          | 1230 Washington avenue.    |
| Gage, Fannie S.....        | 3668 Washington avenue.    |
| Grant, Addie M.....        | 2113 Walnut street.        |
| Hargadine, Julia.....      | 1416 Washington avenue.    |
| Jackson, Annie M.....      | 1500 Pine street.          |
| Knox, Sadie A.....         | Lindell Hotel.             |
| Libby, Cora.....           | 2628 Washington avenue.    |
| Lionberger, Mary A.....    | 1601 Olive street.         |
| Miltenberger, Katie C..... | 3412 Washington avenue.    |
| Orr, Katie M.....          | Compton Hill.              |
| Richards, Grace.....       | 1803 Washington avenue.    |
| Runyan, Mary D.....        | West Belleville, Illinois. |
| Stillwell, Sallie H.....   | 2604 Olive street.         |
| Sylvester, Helen L.....    | 2305 Walnut street.        |
| Talmage, Nellie E.....     | 2223 Lafayette avenue.     |
| Total, 27.                 |                            |

## THIRD ACADEMIC CLASS.

|                          |                                 |
|--------------------------|---------------------------------|
| Beattie, Anne.....       | 2007 Eugenia street.            |
| Binney, Frances M.....   | 1518 Lafayette avenue.          |
| Blewett, Mary M.....     | 2819 Locust street.             |
| Breed, Susie P.....      | 2720 Washington avenue.         |
| Cooper, Grace S.....     | 1117 Chestnut street.           |
| Dedman, M. Allen.....    | Webster Groves.                 |
| Dryden, Mary C.....      | Cor. California av. & Miami st. |
| Dunhica, Dora S.....     | 1609 Hickory street.            |
| Grant, Jennie A.....     | 2113 Walnut street.             |
| Gregg, Clara J.....      | 2639 Pine street.               |
| Harrison, Brianna L..... | 2821 Morgan street.             |

## NAMES.

## RESIDENCE.

|                         |      |                     |
|-------------------------|------|---------------------|
| Hemple, Annie C.....    | 2703 | Lucas avenue.       |
| Hermann, Addie T.....   | 1402 | Pine street.        |
| Hinde, Vernetta.....    |      | Cote Brilliante.    |
| Johnston, Etta W.....   | 2612 | Locust street.      |
| Lackland, Margaret..... | 1623 | Lucas Place.        |
| Lightner, Mary E.....   | 1637 | Washington avenue.  |
| Lippman, Jennie.....    | 1209 | Dillon street.      |
| Manny, Isabelle.....    | 2710 | Olive street.       |
| McLaran, Elka.....      | 1628 | Lucas Place.        |
| Munroe, Aliee L.....    | 1618 | Olive street.       |
| Morehead, Ida M.....    | 3037 | Washington avenue.  |
| Moulton, Mellic J.....  | 2614 | North Ninth street. |
| Pegram, Ida H.....      | 1321 | Chouteau avenue.    |
| Scott, Lulu Q.....      | 3018 | Lucas avenue.       |
| Simon, May R.....       | 2821 | Locust street.      |
| Sproule, Annie J.....   | 2212 | Olive street.       |
| Stanford, Alice M.....  | 1615 | Olive street.       |
| Tower, Nellie P.....    |      | Compton Hill.       |
| Wall, Lulu B.....       | 2702 | Locust street.      |
| Wickham, Fanny G.....   | 1712 | Lucas Place.        |
|                         |      | Total, 32.          |

## FOURTH ACADEMIC CLASS.

|                             |      |                    |
|-----------------------------|------|--------------------|
| Anderson, L. Josephine..... | 1033 | Chouteau avenue.   |
| Barret, Martha M. S.....    | 2930 | Locust street.     |
| Bayly, Cora.....            | 2226 | Gamble avenue.     |
| Bent, Lucy R.....           | 717  | Garrison avenue.   |
| Chauvin, Lucille M.....     | 1308 | Olive street.      |
| Colman, Laura K.....        |      | Olive Street Road. |
| Dunham, Cora A.....         | 2631 | Pine street.       |
| Eisenstadt, Jennie.....     | 3142 | Locust street.     |
| Hayward, Fanita.....        | 1833 | Carr Place.        |
| Johnson, Nancy L.....       | 2131 | Lucas Place.       |
| Keiler, Elizabeth.....      | 2929 | Washington avenue. |
| Kinnear, Mary.....          | 1800 | Olive street.      |
| McPheeters, Sallie G.....   | 1000 | Olive street.      |

| NAMES.                    | RESIDENCE.              |
|---------------------------|-------------------------|
| Newman, Lemira M.....     | 3037 Washington avenue. |
| Orr, Belle L.....         | Compton Hill.           |
| Powell, Edith.....        | 2712 Lucas avenue.      |
| Reed, Addie P.....        | 1703 Olive street.      |
| Reed, Lizzie L.....       | 2910 Pine street.       |
| Reynolds, May G.....      | 2809 Dayton street.     |
| Rutherford, Lucile.....   | 2808 Locust street.     |
| Schrader, Julie von.....  | 1315 Garrison avenue.   |
| Stoner, Emma P.....       | 1802 Olive street.      |
| Swain, Lillie I.....      | 1011 Benton street.     |
| Switzer, Eugenia.....     | 1725 Washington avenue. |
| Teasdale, Lucy Byrd.....  | 1223 St. Ange avenue.   |
| Thomas, Ida W.....        | 1511 Chouteau avenue.   |
| Thornburgh, Jennie R..... | 3534 Washington avenue. |
| Valle, Ida.....           | 1516 Lucas Place.       |
| White, Mollie A.....      | 2626 Mill street.       |
| Whitman, Hattie.....      | 3139 Lucas avenue.      |
| Total. 30.                |                         |

## FIFTH ACADEMIC CLASS.

|                          |                             |
|--------------------------|-----------------------------|
| Ames, Ada Semple.....    | 1615 Lucas Place.           |
| Bartlett, Abbie T.....   | 2312 Eugenia street.        |
| Bienestok, Huldah. ....  | 700 North Jefferson avenue. |
| Botsford, Minnie S.....  | 3004 Locust street.         |
| Clover, Mary M.....      | 2116 Clark avenue.          |
| Field, Lillie C.....     | 3013 Thomas street.         |
| Finch, Alice L.....      | 3700 North Ninth street.    |
| Greene, Julia M.....     | 19 South Fifteenth street.  |
| Gumersell, Ida B.....    | 2837 Morgan street.         |
| Hargadine, Mary McC..... | 1416 Washington avenue.     |
| Horton, Katie M.....     | 3635 Lindell avenue.        |
| Howard, Eliza.....       | 3036 Washington avenue.     |
| Howard, Katie.....       | 3003 Pine street.           |
| Jouett, Mary I.....      | 3552 Lindell avenue.        |
| Kimball, Ninette.....    | 1103 Paul street.           |
| Kimbrough, Katie E.....  | 2730 Morgan street.         |
| Lewis, Sallie.....       | 3014 Morgan street.         |

| NAME.                     | RESIDENCE.                     |
|---------------------------|--------------------------------|
| Liggett, Cora B.....      | 2921 Locust street.            |
| Logan, Mary E.....        | 3024 Easton avenue.            |
| McPherson, Sophie E.....  | 1701 Washington avenue.        |
| Parks, Alma J.....        | Summit av., S. of Chonteau av. |
| Peper, Maggie P.....      | 1522 Morgan street.            |
| Poeck, Fannie.....        | 3107 Bell street.              |
| Poujaud, Anita C.....     | 1423 Pine street.              |
| Reynolds, Florence S..... | 2801 Dayton street.            |
| Shepley, Mary Louisa..... | 1518 Washington avenue.        |
| Sherman, Edith B.....     | 2633 Locust street.            |
| Shultz, Mary J.....       | 1201 Garrison avenue.          |
| Smith, Lillie K.....      | Carondelet.                    |
| Voorhis, Lulu H.....      | 1202 Chambers street.          |
| Wainwright, Katie A.....  | 1121 Morrison avenue.          |
| Woodburn, Ella M.....     | 3024 Bell street.              |

Total, 31.

#### FIRST PREPARATORY CLASS.

|                          |                                 |
|--------------------------|---------------------------------|
| Bogy, Julia A.....       | 1610 Lucas Place.               |
| Copelin, Emma R.....     | Compton Hill.                   |
| Eliot, Rose.....         | 2660 Washington avenue.         |
| Evans, Laura A.....      | 2814 Locust street.             |
| Gibson, Louisa K.....    | 618 Beaumont street.            |
| Gumersell, Louise B..... | 2837 Morgan street.             |
| Harris, Soudie.....      | 1527 Olive street.              |
| Henry, Kathleen.....     | Cote Brillante.                 |
| Holmes, Laura.....       | 1536 Papin street.              |
| Kennett, Lucy S.....     | 1504 Washington avenue.         |
| King, Nannie L.....      | Cote Brillante. [strong aves.   |
| Maurice, Mary A.....     | Park ave., bet. Missouri & Arm- |
| Monroe, Mary A.....      | 1618 Olive street.              |
| Plant, Carrie A.....     | 3008 Lucas avenue.              |
| Reber, Maud.....         | 3012 Lucas avenue.              |
| Richards, Carrie L.....  | 1803 Washington avenue.         |
| Scott, Carrie C.....     | 3018 Lucas avenue.              |
| Spinzig, Frances.....    | 1300 South Fifth street.        |

| NAMES.                 | RESIDENCE.              |
|------------------------|-------------------------|
| Whitman, Jessie L..... | 3139 Lucas avenue.      |
| Willis, Lillian S..... | 1621 Washington avenue. |
| Total, 20.             |                         |

## SECOND PREPARATORY CLASS.

|                           |                              |
|---------------------------|------------------------------|
| Allen, Alice Maud.....    | 1414 Lucas Place.            |
| Betts, Carrie.....        | 1102 Morrison avenue.        |
| Bremernann, Clara.....    | 928 Winter street.           |
| Bridge, Amy.....          | Glendale.                    |
| Carter, Emma N.....       | Grand avenue.                |
| Fell, Edith C.....        | 3314 Laeclde avenue.         |
| Gage, Lizzie.....         | 3668 Washington avenue.      |
| Gordon, Lillie.....       | 2601 Olive street.           |
| Hewitt, May F.....        | 3356 Lindell avenue.         |
| Johnston, Annie E.....    | 1112 Jefferson avenue.       |
| Kaine, Mary L.....        | Cor. Morgan st. & Grand av.  |
| Mackenzie, Georgie.....   | 1510 Walnut street.          |
| McClenny, Annie M. J..... | 1211 Garrison avenue.        |
| Niemann, Lillie.....      | 905 North Thirteenth street. |
| Noland, Nellie.....       | 3148 Locust street.          |
| O'Fallon, R. Rosa.....    | Grand avenue.                |
| Pfaff, Harriet M.....     | 3302 Laeclde avenue.         |
| Tennent, Zaidee.....      | 3016 Lucas avenue.           |
| Valle, Isabelle.....      | 2710 Washington avenue.      |
| Wade, Annie B.....        | 3200 Lafayette avenue.       |
| Wilson, Carrie E.....     | 2706 Locust street.          |
| Total, 21.                |                              |

## THIRD PREPARATORY CLASS.

|                        |                          |
|------------------------|--------------------------|
| Ames, Mary Semple..... | 1615 Lucas Place.        |
| Anderson, Georgie..... | 3729 North Ninth street. |
| Benton, Katie S.....   | 1604 Lucas Place.        |

## NAMES

## RESIDENCE.

|                             |                         |
|-----------------------------|-------------------------|
| Berchermann, Lillie M.....  | 1801 Wash street.       |
| Brown, Cynthia M.....       | Fairview.               |
| Chamberlain, Harriet E..... | 1819 Washington avenue. |
| Harrison, Medora S.....     | 2821 Morgan street.     |
| January, Mary B.....        | 1137 Washington avenue. |
| Johnston, Bessie.....       | 2612 Locust street.     |
| Kaine, Fannie I.....        | 3521 Lucas avenue.      |
| Kefenstein, Emily.....      | 1128 St. Ange avenue.   |
| Kehlor, Carrie E.....       | 3002 Pine street.       |
| Liggett, Ella D.....        | 2921 Locust street.     |
| McLaran, M. Alice.....      | 1628 Lucas Place.       |
| Moore, Bettie W.....        | 2606 Gamble street.     |
| Niccolls, May.....          | 2651 Washington avenue. |
| Perry, Laura.....           | 719 Garrison avenue.    |
| Powell, Emma W.....         | 1712 Lucas avenue.      |
| Provenchere, G. Elise.....  | 1103 Paul street.       |
| Rogers, Mary A.....         | 3220 Washington avenue. |
| Sterling, Alma.....         | 1318 Chouteau avenue.   |
| Wesseling, Ida M.....       | 700 Franklin avenue.    |
| Total, 22.                  |                         |

## FOURTH PREPARATORY CLASS.

|                           |                                 |
|---------------------------|---------------------------------|
| Broadhead, Nannie D.....  | Lafayette avenue.               |
| Benton, Lucy B.....       | 1604 Lucas Place. [ave.         |
| Clemens, Lilly B.....     | Cor. Twenty-first st. and Cass  |
| Coit, Mary Ada.....       | 2817 Pine street.               |
| Corbitt, Sallie M.....    | 4812 Wash street. [Park.        |
| Gauss, Addella L.....     | California ave., 3 squares from |
| McPheeters, Fannie W..... | 1000 Olive street.              |
| Moore, Cleon D. V.....    | 716 North Twelfth street.       |
| Sterling, Hildegard.....  | 1318 Chouteau avenue.           |
| Teasdale, Jessie M.....   | 2303 Park avenue.               |
| Walker, Etta.....         | 2920 Pine street.               |
| Woodson, Julia M.....     | 2817 Morgan street.             |
| Woolridge, Lilly Lee..... | 2819 Locust street.             |
| Total, 13.                |                                 |

## PRIMARY CLASS.

| NAMES.                    | RESIDENCE.                     |
|---------------------------|--------------------------------|
| Barney, Maggie M.....     | Southern Hotel.                |
| Bartlett, Harriet G.....  | 2312 Eugenia street.           |
| Boyd, Lulu C.....         | 2129 Eugenia street.           |
| Boyd, Margie C.....       | 2129 Eugenia street.           |
| Boyle, Lena S.....        | 1302 Washington avenue.        |
| Brackett, Bertha.....     | 619 Locust street.             |
| Brown, Mary C.....        | 2927 Locust street.            |
| Brown, Linda.....         | 2709 Washington avenue.        |
| Buck, Gertrude.....       | 2208 Lucas Place.              |
| Capen, Frances I.....     | 1520 Olive street.             |
| Clark, V. Lee.....        | 1530 Washington avenue.        |
| Cole, Rachel H.....       | 1728 Lucas Place.              |
| Cole, Rebecca.....        | 1728 Lucas Place. [street.     |
| Dryden, Annie M.....      | Cor. California ave. and Miami |
| Edgar, Laura.....         | 2936 Pine street.              |
| Goddard, Jeunle.....      | 2606 Stoddard street.          |
| Gregg, Ora L.....         | 2639 Pine street.              |
| Haas, Mary A.....         | 1417 Lucas Place.              |
| Jacobs, Clara C.....      | 1911 Carr street.              |
| January, Edith.....       | 1137 Washington avenue.        |
| January, Jeannette.....   | 1137 Washington avenue.        |
| Johnson, Eugenia V.....   | 2131 Lucas Place.              |
| Johnson, Lizzie L.....    | 2131 Lucas Place.              |
| Kulme, Sallie M.....      | 3521 Lucas avenue.             |
| Kauffman, Frances P.....  | 2907 Dixon street.             |
| Kayser, Charlotte.....    | 1420 Lucas Place.              |
| Krum, Mary F.....         | 2732 Washington avenue.        |
| Lackland, Mary S.....     | 2706 Lucas avenue.             |
| Lee, Ellen D.....         | 2716 Lucas avenue.             |
| Lewis, Mary Louise.....   | 2823 Morgan street.            |
| Mathey, Ida.....          | 1021 Dolman street.            |
| McKittick, Martha.....    | 1119 Washington avenue.        |
| Moore, Laura P.....       | 2606 Gamble street.            |
| Niccolls, Grace.....      | 2651 Washington avenue.        |
| O'Fallon, Caroline R..... | 2927 Pine street.              |
| O'Fallon, Harriet L.....  | Grand avenue.                  |

## NAMES.

## RESIDENCE.

|                             |                         |
|-----------------------------|-------------------------|
| Ort, Mary A.....            | Compton Hill.           |
| Patrick, Clara M.....       | 1618 Washington avenue. |
| Patriek, May H.....         | 1618 Washington avenue. |
| Pearson, Grace B.....       | 3221 Locust street.     |
| Penguot, Marie T.....       | 1905 Carr street.       |
| Price, Lucy R.....          | Shaw's Park.            |
| Richards, Ellen.....        | 2608 Locust street.     |
| Ridgley, Mary Lee.....      | 2631 Washington avenue. |
| Scudder, Mary H.....        | Cote Brillante.         |
| Shepley, Annie.....         | 1518 Washington avenue. |
| Stottlemeyer, Minnie B..... | 1912 Wash street.       |
| Taylor, Agnes R.....        | 1804 Lucas Place.       |
| Tennent, Mary H.....        | 3016 Lucas avenue.      |
| Tieknor, Virginia.....      | 2820 Pine street.       |
| Tilford, Cornelia D.....    | Lindell Hotel.          |
| Valle, Maud A.....          | 2710 Washington avenue. |
| Whitelay, Emma.....         | Southern Hotel.         |
| Williams, Annie.....        | 2930 Laeledge avenue.   |
| Wright, Annie M.....        | 2937 Washington avenue. |
| Wright, Blanche L.....      | 2937 Washington avenue. |
| Total. 56.                  |                         |

## COURSE OF STUDY.

### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

### PREPARATORY DEPARTMENT.

#### FOURTH PREPARATORY CLASS.

##### FIRST TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate.

*Mathematics.*—Felter's Intermediate Arithmetic; Federal Money.

*Writing.*—Begun and continued through the course.

*Drawing.*—Begun and continued through the course.

*French.*—Chouquet's First Lessons.

*Vocal Music.*—Begun and continued through the course.

##### SECOND TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate; Blackboard Exercises.

*Mathematics.*—Felter's Intermediate Arithmetic.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## THIRD PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading and Spelling.

*History*.—Read History of the United States.

*Geography*.—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps. Begin with Europe.

*Mathematics*.—Felter's Intermediate Arithmetic; Stoddard's Intellectual. Begin with "Measures of Space."

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Elementary Instruction continued.

## SECOND TERM.

*English Language*.—Reading, Spelling and Grammar.

*Geography*.—As found in History of the United States.

*History*.—Read History of the United States.

*Mathematics*.—Written Arithmetic; Oral, continued.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Elementary Instruction continued.

## SECOND PREPARATORY CLASS.

## FIRST TERM.

*English Language*.—Reading, Spelling and Grammar.

*Geography*.—Text Book, with Drawing Maps on the Blackboard.  
Begin with South Atlantic States.

*History*.—Read Sewell's History of Rome.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers. Begin with "Cubic Measure."

*French*.—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language*.—Reading, Spelling and Grammar.

*Geography*.—Guyot's Intermediate, reviewed.

*History*.—Read Sewell's History of Rome.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French*.—Chouquet's First Reader; Florian.

### FIRST PREPARATORY CLASS.

#### FIRST TERM.

*English Language*.—Reading and Spelling; Butler's Grammar. *Physiology*.—House I Live in.

*History*.—Higginson's United States; Geography.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School. Begin Fractions.

*French*.—Chouquet's First Reader; Florian. Use Masson's Dictionary in this and subsequent classes.

#### SECOND TERM.

*English Language*.—Reading and Spelling; Butler's Grammar.

*History*.—Higginson's United States; Geography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

*French*.—Chouquet's First Reader; Florian.

## ACADEMIC DEPARTMENT.

### FIFTH ACADEMIC CLASS.

#### FIRST TERM.

*English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.

*Geography*.—Guyot's Common School.

*History*.—Read Dickens' England.

*Mathematics*.—Oral and written Arithmetic.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Reading, Spelling and Defining.

*Grammar*.—Analysis of Sentences.

*History*.—Dickens' History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Oral and Written Arithmetic, with written explanations.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

## FOURTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Grammar reviewed.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Mrs. Markham's France.

*Mathematics*.—Arithmetic; Algebra begun.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Solfeggio Singing and Vocalization.

## THIRD ACADEMIC CLASS.

## FIRST TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness's Grammar and Reader.

*Physiology*.—Huxley and Youmans'.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Music*.—Solfeggio Singing and Vocalization.

*Drawing*.—Study of Dimension, in straight lines, angles, and curves.

#### SECOND TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra; Principles of Arithmetic reviewed, with Problems.

*Latin*.—Grammar and Reader; Cæsar.

*Natural History*.—Botany.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Drawing*.—Study of Form; Sketching.

*Music*.—Solfeggio Singing and Vocalization.

#### SECOND ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Shaksperian Reader.

*Mathematics*.—Geometry.

*Latin*.—Sallust; Antiquities.

*Physics*.—Natural Philosophy.

*Rhetoric*.—Hart's Composition and Rhetoric; English Grammar reviewed.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade; Sketching simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

##### SECOND TERM.

*English Language*.—Shaksperian Reader; Trench's Study of Words.

*Mathematics*.—Geometry.

*Latin*.—Ovid; Cicero; Mythology.

*History*.—Review United States.

*Chemistry*.—Younmans' Class Book.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade from simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

## FIRST ACADEMIC CLASS.

### FIRST TERM.

*English Language*.—Shaksperian Reader.

*History*.—Student's Hume.

*Belles-Lettres*.—Collier's English Literature.

*Geography*.—Review.

*Astronomy*.—Lockyer's Elementary.

*Latin*.—Æneid, continued.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Theory of Perspective; Sketching.

*Music*.—Continued.

### SECOND TERM.

*Latin*.—Odes of Horace.

*Natural Science*.—Tenney's Geology.

*Political Science*.—Townsend's Analysis of the Constitution of the United States.

*History*.—Student's Hume.

*Mathematics*.—Arithmetic reviewed.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Practice of Perspective, by sketching objects.

*Music*.—Continued.

## ADVANCED COURSE.

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Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

### FIRST YEAR.

#### FIRST TERM.

*History*.—Smith's History of Greece.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics.  
*Physical Geography*.—Guyot's Earth and Man.  
*Mathematics*.—Trigonometry.\*  
*Natural History*.—Agassiz and Gould's Zoölogy.  
*French*.—Literature; Conversation.  
*Latin*.\*  
*Greek*.\*  
*German*.—Grammar.  
*Art*.—Drawing from Nature; Biography of Artists.

#### SECOND TERM.

*History*.—History of Greece, continued.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics, continued.  
*Mathematics*.—Analytical Geometry.\*  
*Natural History*.—Agassiz's Methods of Study in Natural History.  
*French*.—Literature; Conversation.  
*Latin*.\*  
*Greek*.\*  
*German*.—Maria Stuart; Goethe's Egmont.  
*Physics*.—Ganot's.\*  
*Art*.—Drawing; History of Schools of Art.

## SECOND YEAR.

## FIRST TERM.

*History*.—Bryce's History of the Roman Empire.

*English Literature*.—Schlegel's Dramatic Art and Literature; Themes.

*Political Economy*.

*Chemistry*.—Roscoe's.\*

*Mathematics*.—Mechanics.\*

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

*Physics*.—Ganot's.\*

## SECOND TERM.

*History*.—Bryce's History of the Roman Empire, continued.

*Philosophy*.—Jouffroy's Ethics; Evidences of Natural and Revealed Religion.

*Astronomy*.—White's.

*Mathematics*.—Mechanics.\*

*Physics*.

*French*.—Literature; Conversation.

*Latin*.\*

*German*.—Lessing.

*Vegetable Physiology*.

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Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

## TUITION.

|                                               |         |
|-----------------------------------------------|---------|
| Primary Department, per term of 20 weeks..... | \$35 00 |
| Fourth Preparatory Class, " " " " .....       | 40 00   |
| Third " " " " .....                           | 45 00   |
| Second " " " " .....                          | 50 00   |
| First " " " " .....                           | 50 00   |
| Fifth Academic " " " " .....                  | 55 00   |
| Fourth " " " " .....                          | 60 00   |
| Third " " " " .....                           | 70 00   |
| Second " " " " .....                          | 80 00   |
| First " " " " .....                           | 80 00   |
| Advanced " " " " .....                        | 80 00   |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

## BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to the Mary Institute, reference may be made to the Principal or to any of the Faculty.

### III.—THE COLLEGE.

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#### FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

CALVIN S. PENNELL, A.M.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M., *Registrar.*

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.M.

FRANCIS E. NIPHER, A.M.

## STUDENTS.

## SENIOR CLASS.

| NAMES.                         | RESIDENCE.                   |
|--------------------------------|------------------------------|
| Bartlett, George Morey.....    | Templeton, Mass.             |
| Blewett, Ben.....              | Jennings Station.            |
| Burlingham, Albert Starr.....  | 2710 Locust street.          |
| Eliot, Christopher Rhodes..... | 2660 Washington avenue.      |
| Engler, Edmund Arthur.....     | 1515 Jackson street.         |
| Farrar, Wm. Christy.....       | 2733 Chestnut street.        |
| Fisher, Ada Calista.....       | Washington av., W. of Grand. |
| Rychlicki, Mary Josephine....  | King's Highway.              |
| Sanderson, Albert Erastus..... | Sulphur Springs.             |
|                                | Total. 9.                    |

## SOPHOMORE CLASS.

|                               |                              |
|-------------------------------|------------------------------|
| Allen, Lyman Whitney.....     | 3109 Chestnut street.        |
| Burlingham, Charles Culp....  | 2710 Locust street.          |
| Cunningham, Henry Davis....   | Washington University.       |
| Eames, Wm. Sylvester.....     | 1224 Washington avenue.      |
| Eliot, Edward Cranch.....     | 2660 Washington avenue.      |
| Kennett, William Covington... | 2835 Pine street.            |
| Knox, Harrie Edwin.....       | 705 North Eighteenth street. |
| McClellan, Henry Sharpe.....  | 3428 Morgan street.          |
| Shapleigh, John Blasdel.....  | 1229 Washington avenue.      |
| Taussig, Frank Wm.....        | 1526 Mississippi avenue.     |
| Wickham, Wm. Fanning.....     | 1712 Lucas Place.            |
|                               | Total. 11.                   |

## FRESHMAN CLASS.

| NAMES.                        | RESIDENCE.                   |
|-------------------------------|------------------------------|
| Ford, Rochester.....          | 1017 North Sixteenth street. |
| Hinckley, Walter Raleigh..... | Belleville, Illinois.        |
| Kohn, George Herman.....      | 1213 South Eighth street.    |
| * McPherson, Page.....        | 1701 Washington avenue.      |
| Ritterskamp, Louis Henry..... | 2341 State street.           |
| Shepley, John Foster.....     | 1518 Washington avenue.      |
|                               | Total, 6.                    |

TIMES AND CONDITIONS OF EXAMINATION FOR  
ADMISSION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, on *Monday and Tuesday, June 12 and 13*, and on *Friday and Saturday, September 8 and 9*, 1876. Candidates will present themselves in Room No. 2 of the east wing, at 8 o'clock, A.M.

Every student not coming from the Academy must produce, before examination, proper testimonials of good moral character: and, if from another college, a certificate of dismissal in good standing.

Candidates for admission to the Freshman Class will be examined in the following books:

## LATIN.

Cæsar's Commentaries, four books; the *Æneid* of Virgil, to Book VII; Cicero's Select Orations, Harkness's Grammar, including Prosody; Writing Latin.

## GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

## GERMAN.

Grammar and Reader; William Tell.

\* Not a Candidate for a Degree.

## MATHEMATICS.

Arithmetic; Algebra, through Quadratics; Davies's Legendre, six books.

## GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; History of Greece and Rome. (Smith's Smaller Histories.)

## ENGLISH COMPOSITION.

The student will be expected to write a short composition upon some subject connected with the History of Greece or Rome.

The subjects for examination on the first day will be—Latin, Greek, Arithmetic and Algebra.

On the second day—Geometry, German, History, English Composition.

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted.

## COURSE OF STUDY.

The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

*All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.*

## FRESHMAN CLASS.

## FIRST TERM.

*Latin.*—Lincoln's Livy; Exercises in writing Latin.

*Greek.*—Felton's Greek Historians; Exercises in writing Greek;

Crosby's or Goodwin's Grammar.

*Mathematics.*—Geometry, completed.

*History.*—Freeman's Outlines.

*German.*—Grammar; Goethe's Hermann and Dorothea.

*Elementary Ethics.*

*Themes and Declamations.*

## SECOND TERM.

*Latin.*—Horace; Roman Antiquities; Exercises in Writing Latin.

*Greek.*—Panegyricus of Isoerates; Homer; Exercises in writing Greek.

*Mathematics.*—Higher Algebra.

*History.*—England.

*German.*—Schiller's Maria Stuart; Translations from English.

*Themes and Declamation.*

## SOPHIOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's Tusculan Disputations; Exercises in writing Latin.

*Greek*.—Demosthenes de Corona; Exercises in Writing Greek.

*Mathematics*.—Trigonometry.

*History*.—England.

*French*.—Grammar; Histoire de France par G. Dueoudray; Composition.

*Themes and Declamation*.

## SECOND TERM.

## REQUIRED STUDIES:

*Latin*.—Juvenal; Andria of Terence, and Captivi of Plautus; Exercises in writing Latin.

*Mathematics*.—Analytical Geometry.

*Physics*.

*History of English Literature*.—(Lectures.)

*French*.—Grammar; Dueoudray; Composition.

*Themes and Declamation*.

## ELECTIVE STUDIES:

*Greek*.—Alcestis of Euripides; Prometheus of Æschylus; Exercises in writing Greek.

*History*.

## JUNIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Chemistry*.—Roscoe's,

*History*.—France.

*Rhetoric*.—Lectures and Recitations; Study of Anglo-Saxon and Old English.

*Modern Languages*.—German.

*Themes; Original Declamations*.

## ELECTIVE STUDIES :

*Latin*.—Tacitus or Quintilian; Exercises in writing Latin.

*Greek*.—Thucydides; Antigone of Sophocles.

*Mathematics*.—Analytical Geometry and Calculus.

*Physics*.

*Comparative Philology*.

## SECOND TERM.

## REQUIRED STUDIES :

*Mechanics*.—Statics; Dynamics.

*Mineralogy*.—Dana's.

*Philosophy*.—Jevons' Logic.

*History*.—Read, in the original, some French historian.

History of French Literature. (Lectures.)

*Modern Languages*.—German.

*Themes; Original Declamations*.

## ELECTIVE STUDIES :

*Mathematics*.—Differential and Integral Calculus.

*Chemistry*.—Continued.

*Ancient Languages*.—Latin; Greek.

*Comparative Philology*.

## SENIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES :

*Geology*.—Dana's.

*Philosophy*.—Hamilton's *Metaphysics*; (Recitations and Lectures.)

*History*.—Germany. Reading from French authors.

*English Literature*.—Shaw's *Manual*; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; (Recitations and Lectures.)

*Modern Languages*.—French; German.

*Themes; Original Declamations*.

## ELECTIVE STUDIES:

*Mathematics.*  
*Ancient Languages.*—Latin; Greek.  
*Practical Chemistry.*  
*Comparative Philology.*

## SECOND TERM.

## REQUIRED STUDIES:

*Astronomy.*  
*Ethics.*—(Recitations and Lectures.)  
*Evidences of Natural and Revealed Religion.*  
*Political Economy.*—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)  
*History.*—Constitutional History of England; U. S. Constitution.—(Recitations and Lectures.)  
*English Literature.*—Shaw; Taine; Readings; Lectures.  
*Modern Languages.*—French; German.  
*Physiology.*—Lectures.  
*Themes; Original Declamations.*

## ELECTIVE STUDIES:

*Mathematics.*  
*Ancient Languages.*—Latin; Greek.  
*Practical Chemistry.*  
*Comparative Philology.*

## EXAMINATIONS.

The instruction is by recitations and lectures, and the student's progress is tested by frequent and thorough written examinations.

## UNIVERSITY LECTURES.

A LECTURE ENDOWMENT FUND, amounting to twenty-seven thousand dollars (\$27,000), has recently been created by one of the early friends of the University, Mr. WILLIAM HENRY

SMITH, now a resident of Alton, Ills. It is given without any restrictions except that the fund shall be increased if practicable, by accruing interest, to \$30,000, and that no part of the principal shall be expended. The income is to be used for the support of Lectures with a view to the advancement of the interests of the University, and the benefit of the public. The lectures will be free, so far as practicable, but an admission fee will be charged when circumstances require.

In accordance with the purposes of this fund, courses of lectures upon German and French Literature, Art in Education, Astronomy, Electricity, and Mineralogy, have already been arranged for the present year, and will be announced from time to time.

Some of these lectures will be given in the Hall of the University to the general public; others, which may be called "*Class-Room*" or "*Instruction Lectures*," will be given in smaller rooms, or in the Laboratories, to classes limited in number according to the nature of the subject treated, and will be designed to furnish instruction to persons not connected with the University, similar to that given in the Class Room work of the College and Scientific school.

### THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the First Term of the year 1874-75:

|                             |                  |
|-----------------------------|------------------|
| <i>President</i> .....      | C. R. ELIOT,     |
| <i>Vice-President</i> ..... | GEO. PEGRAM,     |
| <i>Secretary</i> .....      | J. B. SHAPLEIGH. |

A paper called the IRVING UNION is published monthly under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the First Term of the year 1874-75:

*Chief Editor*.....ED. A. ENGLER.  
*Business Manager*.....FRANK W. TAUSSIG.

### LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor.

### GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic School and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises. A competent instructor gives regular training to the classes.

### SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College or the Polytechnic School. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them with students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by the payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommenda-

tion "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

A Trust Fund of \$30,000 has been accepted by the University, from the WESTERN SANITARY COMMISSION, for the establishment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic School, to be filled by children of descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference is given to those in straitened circumstances, and no student is accepted or continued who is not of good moral character, who does not sustain satisfactory examinations, or who fails to comply with the rules of the Institution.

From the same source a SUSTENTATION FUND of \$10,000 has been accepted, the income from which is expended for the aid of students in straitened circumstances, giving preference always to the descendants of Union soldiers, as above.

### DEGREES.

The degree of Bachelor of Arts is granted to those students who complete the full course of study; but no diploma is granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

he diploma fee is five dollars, payable in advance.

## VACATIONS.

There is a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the Institution.

## TUITION.

A matriculation fee of five dollars is charged, payable in advance.

The tuition in the College, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

N. B. For tuition in Polytechnic School to graduates of the College, see page 13.

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IV.—O'FALLON POLYTECHNIC INSTITUTE,

OR

POLYTECHNIC SCHOOL.

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FACULTY.

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WM. G. ELIOT, D.D., *Chancellor.*

ABRAM LITTON, M.D.

CALVIN M. WOODWARD, A.M., *Dean.*

MARSHALL S. SNOW, A.M.

WM. B. POTTER, A.M., E.M.

DENHAM ARNOLD, A.M.

CHARLES A. SMITH, C.E.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

R. THOMPSON BOND, A.M.

FRANCIS E. NIPHER, A.M.

HALSEY C. IVES, *Artist.*

## STUDENTS.

## SENIOR CLASS.

| NAMES.                      | RESIDENCE.        | ROOM.                              |
|-----------------------------|-------------------|------------------------------------|
| Barron, Samuel A. (IV)*     | St. Louis         | 2216 Walnut st.                    |
| Conzelman, W. E., A.B. (IV) | St. Louis         | 2124 Clark ave.                    |
| Friedman, Jacob. (III)      | St. Louis         | 2722 Laeledge av.                  |
| Hawke, William (I)          | Neb. City, Neb.   | 2920 Olive street.                 |
| Meister, Herman (IV)        | St. Louis         | Mer'm'e. bt. Min.<br>and Penn. av. |
| Roeder, Victor, C. (IV)     | St. Barbara, Cal. | 310 Cedar street.                  |

## JUNIOR CLASS.

|                           |                  |                                    |
|---------------------------|------------------|------------------------------------|
| Block, George M. (VI)     | Aberdeen         | 3112 Morgan st.                    |
| Block, Henry W. (IV)      | St. Louis        | 1632 Warren st.                    |
| Farrar, John R. (VI)      | St. Louis        | 1431 Lucas Place.                  |
| Gibson, Victor (IV)       | St. Louis        | Lafayette av. and<br>Easton Place. |
| Pegram, George H. (I)     | St. Louis        | 1321 Chonteau av                   |
| Quigley, John B. (I)      | Carondelet       | Carondelet.                        |
| Smith, Edgar T. (VI)      | Greenville, Ill. | 2205 Olive street.                 |
| Westermann, Edward H. (I) | Belleville       | Belleville.                        |

## SOPHOMORE CLASS.

|                           |                  |                    |
|---------------------------|------------------|--------------------|
| Burnett, Henry L.         | Carondelet       | No. 5 Dormitory.   |
| Burr, Edward F.           | Kirkwood         | Kirkwood.          |
| Chauvenet, Wm. Mare       | St. Louis        | 2703 Lucas av.     |
| Countryman, Theophilus R. | Hastings, Minn.  | 1922 Clark av.     |
| Daniel, Z. T.             | Rushville, Ills. |                    |
| Kellogg, Clinton D.       | Caledonia, Minn. | 413 N. 8th street. |
| Lewis, Turner             | St. Louis        | 3014 Morgan st.    |
| Steffens, George          | St. Louis        | 1406 N. 11th st.   |

\* The Roman numerals after the names indicate the Courses of Study pursued by the Student, according to the arrangement on page 63.

## FRESHMAN CLASS.

| NAMES.                    | RESIDENCE.       | ROOM.             |
|---------------------------|------------------|-------------------|
| Aufferhelde, Benj. F..... | St. Louis.....   | 922 N. 14th st.   |
| Beeckinridge, Wm. Lewis.. | Alton, Ills..... | Alton.            |
| Buehner, Philip.....      | St. Louis.....   | 2413 N. 13th st.  |
| McKee, David.....         | Leavenworth, Ks. | 214 Mullanphy st. |
| Melcher, Charles W.....   | St. Louis.....   | 2103 Clark av.    |
| Mills, Herbert W.....     | St. Louis.....   | 2125 Pine street. |
| Newington, Harry M.....   | St. Louis.....   | 1321 Pine street. |
| Wilson, Richard N.....    | St. Louis.....   | 1009 Garrison av. |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

|                          |                   |                   |
|--------------------------|-------------------|-------------------|
| Candee, Fred. Jason..... | Moline, Ills..... | 3222 Sheridan av. |
| Meister, Otto.....       | South St. Louis.. | South St. Louis.  |

## SUMMARY.

|                                           |    |
|-------------------------------------------|----|
| Seniors.....                              | 6  |
| Juniors.....                              | 8  |
| Sophomores.....                           | 8  |
| Freshmen.....                             | 8  |
| Students not Candidates for a Degree..... | 2  |
| Total.....                                | 32 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:

1. English Composition, including the use of Language,

Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject, selected this year either from American History or from Shakspeare's Julius Cæsar. *A reasonable knowledge of composition will be held essential to the privilege of further examination.*

2. Physical and Modern Political Geography.
3. American History, up to the close of the war of 1812. White's Landmarks of English History, or an equivalent.
4. Human Anatomy and Physiology.
5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.
6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.
7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions).
8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first fifty pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves, if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's "Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."
9. Natural Philosophy, as much as is contained in the first half of Well's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."
10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.
11. Latin. The student must be able to construe a passage from the Latin Reader or from Cæsar.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see calen-

dar<sup>1</sup>; but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy. (See page 29.)

These revised Conditions of Admission indicate a decided advance. Every feature has been adopted only after mature discussion and deliberation, and the Faculty look to the teachers of public and private schools for an endorsement of their action. The transcendent importance of an exact and practical knowledge of the English language and literature will, it is hoped, justify the requirements under the head of ENGLISH COMPOSITION AND LATIN. The latter, though nominally "dead," still lives in the spoken language of every civilized nation of to-day. The Faculty are not alone in their estimate of the value of a rudimentary knowledge of Latin to English-speaking people. "Even a little study of Latin makes a great difference in the grasp of the mind as regards generalization and principles. Without Latin the trope and metaphor underlying the abstract terms necessary to express all elevated sentiment or thought in English, and more especially all scientific results, whether moral, legal, spiritual or natural—is not perceived or felt. \* \* \* In our civil and political forms we live Roman life to-day. \* \* \* Jurisprudence and legislation pronounce their edicts in Roman words."\*

It is not expected that the students will become "classical scholars," the aim simply being to fit them for advantageous use of the instruction given in the Polytechnic school. But experience has taught that a moderate knowledge of Latin is an important, if not an indispensable element in preparatory education.

The ease with which young students acquire skill in the use of drawing instruments, and the fact that habits of accuracy are readily formed early in a student's course, have led to the introduction of the entire section under GEOMETRICAL DRAWING. This feature will enhance the student's interest in his mathematical studies, and practically add very little to the work of preparation.

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\* Report of W. T. Harris, Supt. St. L. Pub. Sch., for 1872-73.

The Faculty of the Polytechnic School have adopted the plan of a

#### DIVIDED EXAMINATION.

in accordance with which students who propose to enter the Freshmen Class in the summer of 1877, may present themselves in June or September, 1876, for examination on the studies in which they are then proficient: provided, they are prepared to be examined on not less than four of the topics named in the conditions of Examination. A record of such examinations, will be kept, and when the same students present themselves the next year they will be credited with the work done at the first examination. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

The examination for admission will occupy two days.

The subjects for examination the first day will be, English Composition, Physical Geography, Arithmetic, History and Algebra.

On the second day the subjects will be, Geometry, Physiology, Natural Philosophy, German, French, or Latin, and Drawing.

## COURSES OF STUDY.

The regular courses of study and instruction in this school extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of the advantages of this school will actually become professional men. On the contrary, it is fair to expect that less than one-half of the graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded. The courses are six in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.
- VI. A GENERAL COURSE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Students not proposing to become professionals are not required to adhere strictly to either professional course during the Junior and Senior years, but, with the approval of the Faculty, may select such studies as will constitute a "GENERAL COURSE," the completion of which will entitle the student to the degree of *Bachelor of Science*.

Special students will be received in any of the courses if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

### FRESHMAN CLASS.

#### FIRST TERM.

*Mathematics.*—Geometry (Chauvenet's) completed.

*Physics.*—Natural Philosophy.

*German.*—Grammar and Reader.

*History.*—Civil Government: United States Constitution.

*Free-Hand Drawing.*

*Mechanical Drawing.*—From Flats and Models. Use of Scales, Tracing, and Construction of Plates, Lettering, etc.

*English.*—Declamation and Composition: Rhetoric.

#### SECOND TERM.

*Mathematics.*—Higher Algebra.

*Physics.*—Ganot's; Pneumatics, Heat, Acoustics.

*French.*—Otto's Grammar; French Prose.

*Free-Hand Drawing.*—Continued as First Term.

*Descriptive Geometry.*—Orthographic Projections, Problems of Points, Lines, and Planes; Warped Surfaces, etc.

*History.*—England.

*English.*—Declamation and Composition: Shakspeare.

### SOPHOMORE CLASS.

#### FIRST TERM.

*Mathematics.*—Plane and Spherical Trigonometry (Chauvenet's).

*Physics.*—(Ganot continued,) Optics, Electricity, Magnetism, and Meteorology; Laboratory Practice.

*Descriptive Geometry.*—Tangency, Intersection of Surfaces; Construction of Paper and Zinc Models.

*Theoretical Chemistry.*—Roscoe's, with Lectures.

*Practical Chemistry*.—Eliot and Storer's Manual.

*Free-Hand Drawing*.—Machinery, Casts, etc.

*Mechanical Drawing, Line and Brush Shading*.

*English*.—Histoire de France, par G. Ducoudray. (Written and Oral Translation.)

#### SECOND TERM.

*Mathematics*.—Analytical Geometry (Puckle's).

*Surveying*.—Chain and Compass Surveying; Practice in the Field.

*Descriptive Geometry*.—Spherical and Isometric Projections; Shades and Shadows; Perspective.

*Practical Chemistry*.—Qualitative Analysis.

*Mineralogy*.—Dana's Manual.

*Free-Hand and Mechanical Drawing*.—Machinery and Architecture; Original designs.

*Physics*.—Laboratory Practice.

## I.—COURSE IN CIVIL ENGINEERING.

### JUNIOR CLASS.

#### FIRST TERM.

*Mathematics*.—Differential Calculus (Peck's).

*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.

*Civil Engineering*.—Leveling and Transit Surveying; Adjustment and Use of Instruments in the field; Railway Curves, Turnouts, etc. (Henck's Field Book.)

*Physics*.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc., in Plaster.

*Geology*.—Dana's Manual; Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Drawing*.—Models, Arches, etc.; Shading.

*Ethics*.—Recitations and Lectures.

## SECOND TERM.

*Mathematics.*—Integral Calculus; Analytic Mechanics.

*Civil Engineering.*—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Framework, and Cords of Equilibrium. (Rankine's Manual.)

*Mechanics.*—(Rankine's) Applied Mechanics.

*Physics.*—Laboratory Practice.

*Drawing.*—Machines, Profiles, Bridges, etc.

*English.*—Modern Literature.

## SENIOR CLASS.

## FIRST TERM.

*Civil Engineering.*—Rankine's Manual of Civil Engineering, supplemented by lectures following Baker, Bell, Winkler and Maxwell; and the use of Graphical Statics.

*Mechanics.*—Rankine's Applied Mechanics continued. Selections from Weisbach's Mechanics of Engineering.

*Laboratory Practice.*—Construction of Trusses and Ribs for Bridges and Roofs.

*Drawing.*—Of Constructions from Actual Measurement.

*Astronomy.*—Whit's Elements.

*English.*—Themes.

## SECOND TERM.

*Civil Engineering.*—Structures of Wood, Stone and Iron; Designing, and Computing the parts of Bridges, Roofs, etc.

*Mechanics.*—Statics, Cinematics, Principles of Mechanism, Dynamics.

*Laboratory Practice.*—Testing Strength of Structures; Photography.

*Drawing.*—Designs of Structures.

*Political Economy.*—Bowen, Rogers, Mill, Carey; (Recitations and Lectures.)

*Practical Astronomy.*—Use of Instruments; Determination of Time, Latitude and Longitude.

*English.*—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

## JUNIOR YEAR.

## FIRST TERM.

- Mathematics*.—Differential Calculus (Peck's).  
*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.  
*Machinery*.—Cinematics: Principles of Mechanism.  
*Geology*.—Dana's Manual; Lectures.  
*Practical Chemistry*.—Qualitative Analysis.  
*Physics*.—Laboratory Practice; Practical Stone Cutting; Construction of Arches, etc.; Work in the Machine Shop.  
*Drawing*.—Machinery and Models.  
*Ethics*.—Recitations and Lectures.

## SECOND TERM.

- Mathematics*.—Integral Calculus; Analytical Mechanics.  
*Machinery*.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.  
*Mechanics*.—Rankine's Applied Mechanics.  
*Drawing*.—Machine Drawing, continued.  
*English*.—Modern Literature.

## SENIOR YEAR.

## FIRST TERM.

- Machinery*.—Study of Different Machines; Strength of Material.  
*Mechanics*.—(Rankine's Applied Mechanics continued; Selections from Wiesbach's Mechanics of Engineering.)  
*Drawing*.—Of Working Machinery.  
*Astronomy*.—White's Elements.  
*English*.—Descriptions as previous term.

## SECOND TERM.

- Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

*Mechanics*.—Theoretic Study of the Prime Movers; Water-wheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.

*Drawing*.—Designs of Machines.

*Political Economy*.—Bowen, Mill, Rogers, Carey; Recitations and Lectures.)

*English*.—Graduation Thesis.

### III.—COURSE IN CHEMISTRY.

#### JUNIOR YEAR.

*Theoretical and Organic Chemistry*.—Lectures.

*Qualitative Analysis*.—Fresenius, Gallaway, Eliot and Storer, and Bunsen.

*Quantitative Analysis*.—Fresenius.

*Mineralogy*.—Blowpipe Analysis and Determination of Species.

*Geology*.—Dana's, with Lectures.

*Laboratory Practice*.—From four to six hours daily.

#### SENIOR YEAR.

*Chemistry, Analytical and Applied*.—Daily instruction in the Laboratory. Actual Chemical Work, embracing Pharmaceutical Preparations for the Laboratory and Apothecary; Methods of Determining the Value of Drugs; Assays on Ores of Lead, Silver, Gold, Zinc, Antimony, Copper, Nickel, Cobalt, etc.; Examination and Analysis of Metals, Soils, and Ashes; Examination of Poisons, Uses and Value of Manures.

*Political Economy*.—Bowen, Mill, Rogers, Carey, Recitation and Lectures.

*Preparation of Thesis for Degree of Chemist*.

## IV.—COURSE IN MINING AND METALLURGY.

## JUNIOR YEAR.

*Mathematics*.—Differential and Integral Calculus.

*Descriptive Geometry*.—Applications to Masonry and Machinery.

*Surveying*.—Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

*Chemistry*.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

*Geology*.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

*Mineralogy*.—Blowpipe Examination of Minerals.

*Mining*.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation: Hoisting Engines, Cages, Cars, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead and Zinc Mines.

*Metallurgy*.—General Metallurgy—Classification of Processes; Furnaces; Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, etc.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, etc.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, etc.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, etc.; Hot Blast Stoves; Lifts, etc.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, etc.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, etc.

*Physics*.—Laboratory Practice.

*Drawing*.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, etc.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

#### SENIOR YEAR.

*Mining*.—Ventilation, Natural and Artificial; Measurement of Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, etc.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Jigging Machines, etc.; Washing and Dressing of Coal, etc.

General Management of Mines, etc.

*Chemistry*.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.

*Assaying*.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

*Economic Geology*.—Occurrence and Distribution of Ores; Iron, Lead, Copper, etc.; Character, Uses and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, etc.

*Metallurgy*.—Copper; Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxide.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

*Blowpipe Analysis*.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, etc.

*Mechanics*.—Rankine's Applied Mechanics.

*Drawing*.—Machines, Furnaces, Mines, etc.

*Projects*.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

## V.—COURSE IN BUILDING & ARCHITECTURE.

### JUNIOR YEAR.

*Architectural Designs*.—The Elements of Design; the Principles of Composition; Examination of Architectural Works.

*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, etc.

*Mathematics*.—Differential and Integral Calculus.

*Physics*.—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.

*Geology*.—Dana's Manual; Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Drawing*.—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.

*English*.—Composition; Descriptions of Prominent Buildings, etc.

### SENIOR YEAR.

*Architecture*.—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.

*Engineering*.—Stability of Structures; Stress; Strength and Stiffness of Girders, Pillars, etc.; Foundations, Walls, Roofs; Building Materials.

*Mechanics*.—Principles of Statics; Rankine's Applied Mechanics.

*Physics*.—Laboratory Practice, in Testing Materials, Ventilation, Warming, etc.; Modeling in Plaster and Wood; Framing in Wood and Iron.

*Drawing*.—Designing Architectural Ornaments; Architecture; Landscape; Designs for Particular Structures; Drawing from Memory.

*Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English*.—Graduation Thesis.

### MODERN LANGUAGES.

The members of these classes may also continue the study of the German and French Languages with such of the College classes as it may be found practicable for them to join without interfering with their regular studies. Similar opportunities will be allowed for the study of Latin.

### BUILDINGS.

The west wing of the University Hall, 100 feet long by 46 feet deep, and five stories high, including the basement, is almost entirely devoted to this School. Besides this building there are a Chemical building, 25x52 feet and three stories high; the Dormitory, 25x80 feet, and three stories high, capable of accommodating twenty students; a small Astronomical Observatory; and a Gymnasium, 25x80 feet. It is thought that ample accommodations exist for 200 students in this Department. Each building is fitted up in the most substantial and judicious manner, and new appliances and facilities are procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

### CIVIL AND MECHANICAL ENGINEERING.

The School is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., adorn the walls of the

Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. It will continue to stand in the Physical Laboratory, where each student will, by actual experiment, learn the strength of wood, iron, steel, stone, brick, etc.

The instruction in all branches is given from text-books when practicable, supplemented by lectures. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science. Special prominence is given to the use of "graphical methods," which are now so usefully supplementing the processes of computation.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners, and business men in general, both professors and students have had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling-mills, furnaces, and manufactories of all kinds. These visits and expeditions have proved to be of great value, the tendency of such a combination of study and observation being to train not mere theorizers, but practical, far-seeing business men.

#### THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic School, organized in September, 1871, has been in full operation during the last four years. Its object is to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such

an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of, and reports on, mines and manufacturing establishments.

#### THE COLLECTIONS.

containing over TEN THOUSAND SPECIMENS, embrace models of crystals, and specimens illustrating the various minerals and rocks and their associations; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will, in time, be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores they are likely to meet with in the field and the various products in metallurgical operations.

#### ASSAY LABORATORIES

are now in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc.; also, volumetric apparatus for the assay of

silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

#### CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice. .

#### VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

#### CHEMICAL LABORATORY.

The chemical building above mentioned contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up

for Assaying and Industrial Chemistry. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

### PHYSICAL LABORATORY.

It is intended to make this feature in education a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They go to different tables to perform different experiments: and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully written reports of all the work done.

The aim in this part of the instruction is, not to give the student information about Physics, but to give him an insight into the methods and means used in physical investigation.

During the past year large additions have been made to the apparatus, the greater part of which has been constructed in the University work-shop.

For the use of students in this and the Chemical Laboratories there is a

### WORK-SHOP

containing lathes for turning wood, brass and iron; a work-bench, and a full set of carpenter's and modeling tools, gear-cutter, a small forge, and a complete outfit of machinist's tools. The Engineering students are able here to acquire some dexterity in the use of tools, which will be of great value to them in the subsequent work of their profession. During past years the students have practiced turning brass wheels, cutting teeth of wheels, graduating circles, making wooden and iron girders, apparatus, etc.

## SCHOOL OF ART AND DESIGN.

This department is under the immediate charge and supervision of Mr. Halsey C. Ives, assisted by Mr. Carl Guthertz. Experience in teaching, familiarity with the best methods in use at home and abroad, and personal skill in the use of the drawing-pen, pencil and brush, entitle these gentlemen to confidence and support.

In addition to the regular classes of academic and engineering students, special classes for ladies and gentlemen have been formed. Ample room has been devoted to this department of work, and the Drawing Rooms contain full collections of casts and models.

Every possible advantage will be afforded persons wishing to pursue a Course of Study in this department. The Studio and Drawing Hall will be open at all times. Students wishing to spend their entire time in Art work will find everything required at their disposal.

The Course of Study consists of Free Hand and Mechanical Drawing, Elements of Design, as applied to the Industrial Arts, and Oil or Water Color Painting.

Special arrangements may be made with Teachers or Professional Art Students as to rates and time of lessons.

From time to time, in course of the season, Free Lectures will be given to classes of limited numbers, upon subjects connected with Art and Art Instruction. Such classes will be formed by special application to Mr. Ives.

## EXAMINATIONS AND THESES.

The Examinations in the Polytechnic School are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty, to parents or guardians, if such are requested.

Every applicant for a degree, besides passing satisfactorily all his examinations, must present a Thesis—an original essay.

review, or investigation—upon some subject, professional or otherwise, connected with the course of study he has followed. The Thesis must be accompanied with all necessary general and detailed drawings. All such Theses and drawings are left in charge of the University.

The object of requiring a Thesis is mainly to secure evidence of the student's fitness to receive a degree; consequently a high standard of excellence is rigidly adhered to. Incidentally the Theses furnish much valuable information to be used at the University by professional students, graduates, and all engaged in professional work.

To facilitate this latter object, a list of papers at present in charge of the University is here given:

1. A Design of a Wrought-Iron Warren Girder Bridge, of 300 feet Span.
2. A Review of Iron Bridge on St. L., I. M. & S. Railway. (Jones's Patent.)
3. A Review of Water Tower and Stand Pipe of St. Louis Water Works.
4. A Review of the Hydraulic Testing Machine. (Designed by Col. Henry Flad.)
5. A Review of a Howe Truss Bridge for M. P. R. R. (Carter's Patent.)
6. A Review of Girder Span of Bridge over the Missouri River at St. Charles.
7. A review of the Hydraulic Hoists used by Ills. & St. Louis Bridge Co.
8. A Review of the Roof of the Union Market House.
9. A Review of a Bowstring Girder Bridge. (Herthel's Patent.)
10. A Review of the Roof Trusses used in the Sangerfest Building.
11. A Review of the Plate Girders in the R. R. Bridge over Main street.
12. A Review of the R. R. Bridge over the Connecticut at Springfield, Mass.
13. A Review of the R. R. Bridge over the Danube Canal at Vienna, Austria.

4. A Review of the Plate Girders over the R. R. under Eighth street, St. Louis.
15. A Review of the Continuous Plate Girders over Fourth street, East St. Louis.
16. A Design of an Iron Bridge and Trestle over Difficult Foundations.
17. A Design of a Blast Furnace Establishment to Produce 20,000 Tons of Pig-Iron Annually.
18. A Review of the Reservoirs of the St. Louis Water Works.
19. A Review of a Low Service Pumping Engine of the St. Louis Water Works.
20. A Review of the Cincinnati Suspension Bridge over the Ohio.
21. A Review of the Trestle of the Eastern Approach to the Ill. & St. Louis Bridge.
22. A Review of the Centre Span of the Ill. & St. Louis Bridge.
23. A Design of an Establishment to Produce Wrought-Iron from the Iron Mountain Ore by the Bloomery Process.

#### DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Science."

#### TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

## DISCIPLINE.

The School is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentleman, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

## BOARD AND LODGING.

Students living at a distance from the University have no difficulty in securing Rooms and Board at reasonable rates. Students wishing accommodations, and housekeepers wishing boarders, are requested to communicate with the Dean.

## EXPENSES.

The minimum expenses of maintaining a student in this school one year is about as follows:

|                                              |          |
|----------------------------------------------|----------|
| Tuition .....                                | \$100 00 |
| Rent of Room.....                            | 20 00    |
| Board, Fuel and Washing, at \$5 per week.... | 200 00   |
| Books, Instruments, etc .....                | 30 00    |
| Total .....                                  | \$350 00 |

## SCHOLARSHIPS.

Students of Limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships," "Sustentation Fund," and of other Scholarships on pages 60 and 61.

## LECTURES, LITERARY SOCIETIES, LIBRARY, AND GYMNASIUM.

(For information on these points, see pages 58, 59 and 60.

# ELEMENTARY SCHOOL

## OF THE

### O'FALLON POLYTECHNIC INSTITUTE.

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In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1868 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the college classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventh streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose, and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a

closer connection with the educational needs of the times. The title of the Polytechnic building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

THE AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

# EVENING SCHOOL

AT

THE POLYTECHNIC BUILDING,

*Corner of Seventh and Chestnut Sts.*

## TEACHERS.

W. D. BITTLER, *Principal.*

J. W. HALL.

J. S. STEPHENSON.

WM. F. SANFORD.

RICHARD HAYES.

R. J. DELANO.

J. A. YOUNG.

## STUDENTS.

## NAMES.

Abbott, William C.  
 Alervell, H. W.  
 Arcambal, C. F. D.  
 Anderson, Lorenzo  
 Bade, Fred.  
 Bade, William  
 Bimer, Adolph  
 Byrne, Charles J.  
 Brockstadt, Henry M.  
 Beck, Edward  
 Bowman, Edgar A.  
 Brinkmann, Theodor  
 Brook, Joseph  
 Bock, Conrad  
 Bock, John  
 Byrne, Edward F.  
 Bray, William E.  
 Bobbette, W. A.  
 Budde, August A.  
 Behrens, Wm. C.  
 Behrens, Charles  
 Bryan, Thomas J.  
 Buettner, Louis P.  
 Coy, Fred.  
 Collins, John  
 Curran, John  
 Coreoran, Hugh B.  
 Christin, Leo F.  
 Connor, Wm. R.  
 Cox, Charles J.  
 Colliton, James

## NAMES.

Cassilly, George  
 Chartrand, Mark R.  
 Croisette, Auguste  
 Clark, H. E.  
 Curtis, Harrie  
 Dang, Arnold  
 Dinkelman, Christ.  
 Donohue, Matthew  
 Dubuque, George J.  
 Duffner, George S.  
 Duggan, John J.  
 Dockery, John J.  
 Daily, John C.  
 Degnan, James B.  
 Dockery, Thomas  
 Dockery, James J.  
 Davis, J. L.  
 Dower, John  
 Duffy, Michael  
 Dozier, Henri  
 Fohrman, Henry J.  
 Fisch, Theodore  
 Fish, A. G.  
 Fish, Edwin S.  
 Fishwick, Frank  
 Fausek, Anton  
 Feagan, Peter  
 Foster, George  
 Foster, R. J. W.  
 Francis, Charles A.  
 Fox, Frank

| NAMES.                | NAMES.               |
|-----------------------|----------------------|
| Galoskowsky, Theodore | Kane, John F.        |
| Germer, Charles H.    | Keutz, Henry.        |
| Goerner, Hugo         | Kaiser, Rudolph J.   |
| Gerber, Julius W.     | Kuhn, John.          |
| Grote, Charles H.     | Klein, Timothy.      |
| Grote, August C.      | Krehmeier, Henry.    |
| Griffith, F. P.       | Lavat, Eugene A.     |
| Hammel, Peter         | Loeschenkohl, John.  |
| Hanpeter, E.          | Leedom, H.           |
| Hufnagel Charles P.   | Layton, George D.    |
| Hogan, Robert G.      | Leatherman, Boone A. |
| Hurst, Stephen        | Lothmann, William.   |
| Hinchman, James       | Lefferty, William.   |
| Henry, Robert J.      | Mangen, John E.      |
| Heltzell, A. C.       | Moller, Joseph.      |
| Harstick, F. W.       | Mattison, Wilber A.  |
| Hermann, Charles      | Millan, James.       |
| Hecker, William       | McCombs, Frank M.    |
| Holdsworth, J. W.     | McKenna, John F.     |
| Hoffmann, Herman      | McLean, John.        |
| Heintz, Emil          | McCabe, Vincent.     |
| Howard, C. W.         | McCormack, Edward.   |
| Hageman, Frank        | McGrew, A. B.        |
| Hill, Henry           | Melcher, Edward.     |
| Hirschmann, Paul      | Matthews, Daniel.    |
| Hall, A. J.           | Marsh, George.       |
| Johnson, Robert       | Meder, Edward.       |
| Jackson, Frank        | Michel, Adrien.      |
| Jones, Louis R.       | Mitchell, Ivan G.    |
| Jaques, Abraham       | Maloney, James.      |
| Jaques, Benjamin      | Moechel, Louis.      |
| Kelly, Lawrence       | Mulholland, Eugene.  |
| Kirby, Robert E.      | Marcotte, M. G.      |
| Kilgen, Charles.      | Miller, Alfred K.    |
| Kilgen, George.       | Monahan, Pat. J.     |
| Kettenbach, H.        | Niestrath, Louis.    |
| Kerr, Andrew.         | Nolte, J. H. F.      |
| Krieg, Henry.         | Nolte, H. A.         |

## NAMES.

Norris, William B.  
 Neusel, Alexander.  
 Noe, John C.  
 O'Neil, Eugene J.  
 O'Brien, Gerald C.  
 Ottmer, Florenz.  
 Pearson, W.  
 Parks, Thomas H.  
 Petersen, Peter.  
 Pollack, Philip.  
 Peat, R. D.  
 Page, Elliott B.  
 Rutledge, Robert.  
 Richardson, Julian.  
 Renisch, Edward.  
 Roth, John H.  
 Roth, Edward B.  
 Reitz, C. L.  
 Reps, William.  
 Reps, Louis.  
 Richardson, A. P.  
 Ryan, J. O'Neil.  
 Runder, W. J.  
 Seguenot, Paul J.  
 Stork, Julius C.  
 Storeck, Frank.  
 Stewart, Alex.  
 Stewart, William.  
 Schnurmacher, Joseph.  
 Steele, Thomas E.  
 Small, Guyer.  
 Schoenhard, Albert.  
 Sleeper, J. C.  
 Sullivan, Patrick.

## NAMES.

Scudder, W. M.  
 Schreckhaase, H. O.  
 Sprick, Fred.  
 Schueler, Richard J.  
 St. Clair, John M.  
 Seager, Fred.  
 Schwan, Henry.  
 Sehle, Charles.  
 Spiekerman, B. E.  
 Stupp, George.  
 Shepherdson, Louis.  
 Schisler, Fred C.  
 Schulze, Otto J.  
 Trantum, Charles.  
 Tolkacz, E. M.  
 Trescher, Fred.  
 Turner, Louis.  
 Tuthill, John P.  
 Towson, Willard E.  
 Tesson, Charles.  
 Umbach, Paul.  
 Usher, Fred. J.  
 Vax, Joseph A.  
 Vankirk, S. S.  
 Wirz, Fred.  
 Wirz, Charles.  
 Wolf, Eugene.  
 Wiechmann, M. F.  
 Whittle, Frank.  
 Wenzlick, Peter.  
 Williams, W. C.  
 Wolfarth, August.  
 Werner, Louis.  
 Zerbe, Franklin.

Total, 206.

## THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, Book Keeping, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

## THE TERM

has been fixed by the Board for five months, or eighty evenings; sessions lasting from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day-time, who can pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

# V.—LAW SCHOOL.

## FACULTY.

WM. G. ELIOT, D.D., *Chancellor.*

### PROFESSORS AND LECTURERS:

Hon. SAMUEL TREAT, U. S. District Judge, East. Dist. of Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, LL.D., *Provost of Law School.*

Hon. ALBERT TODD.

" SAMUEL REBER, Late Judge St. Louis Circuit Court.

" JOHN M. KRUM. " " " "

" GEORGE A. MADILL. " " " "

" CHESTER H. KRUM. " " " "

ALEXANDER MARTIN, A.M.

GEORGE M. STEWART, A.M., *Dean of Law Faculty.*

### ADVISORY AND EXAMINING BOARD:

Hon. SAMUEL F. MILLER, Justice of U. S. Supreme Court, *President.*

Hon. JOHN F. DILLON, U. S. Circuit Judge.

" ARNOLD KREKEL, U. S. Dist. Judge, W. Dist. Mo.

" DAVID WAGNER, Justice Supreme Court of Mo.

" WM. B. NAPTON. " " " "

" JAMES J. LINDLEY, Judge St. Louis Circuit Court.

" HORATIO M. JONES. " " " "

" ~~JAMES K. KNIGHT.~~ " " " "

" JOHN WICKHAM. " " " "

" J. D. S. DRYDEN, Late of Supreme Court of Mo.

" G. A. FINKELNBURG. JAMES TAUSSIG, Esq.

JOHN R. SHEPLEY, Esq. ~~Hon. THURSTEN POLK.~~

JOHN W. NOBLE, Esq. GEO. W. CLINE, Esq.

Hon. R. E. ROMBAUER. R. A. BAKEWELL, Esq.

SAMUEL T. GLOVER, Esq. Hon. E. A. LEWIS.

JAS. O. BROADHEAD, Esq. AMOS M. THAYER, Esq.

ARBA N. CRANE, Esq. LEVERETT BELL, Esq.

EDWARD C. KEHR, Esq.

## STUDENTS.

## SENIOR CLASS.

| NAMES.                                   | FROM.               | RESIDENCE         |
|------------------------------------------|---------------------|-------------------|
| Bailey, William Bell.....                | St. Louis, Mo....   | 21 South Main.    |
| Beyersdorf, Wm. Leberecht.Herman, Mo.... |                     | 616 South Fifth.  |
| Bowman, Edward Monroe..                  | Alton, Ill.....     | 924 Locust st.    |
| Clardy, Zeno Blanks.....                 | Farmington, Mo.     | 1407 Olive st.    |
| Cline, Frederick Addison...              | St. Louis, Mo....   | 840 S. Eighth st. |
| Cummings, John Raymond.                  | St. Louis, Mo....   | 1531 Olive st.    |
| Curtis William Samuel.....               | St. Louis, Mo....   | 3212 Sheridan av. |
| Dawson, James Parish.....                | Louisiana, Mo...    | 1717 St. Charles. |
| Ellis, Wirt Wheeler.....                 | Springfield, Mo.    | 1221 Pine st.     |
| Esterbrook, Henry Dodge..                | Omaha, Neb....      | 2946 Thomas st.   |
| Field, Frank.....                        | St. Louis, Mo....   | 1717 St. Charles. |
| Harris, Charles Joseph.....              | Putnam, Conn.       | 1905 Wash'n av.   |
| Higinbotham, Henry Clay..                | St. Louis, Mo....   | 1403 Olive st.    |
| Huff, Merrifield William...              | Iron Mount'n, Mo.   | 1407 Olive st.    |
| McElhinney, John Wm....                  | St. Louis Co....    | 616 S. Fifth st.  |
| McElroy, Sam'l Wilkinson..               | Raymond, Ill....    | 2600 Stoddard st. |
| Manstfield, Dana.....                    | St. Louis, Mo....   | 2913 Thomas st.   |
| Merryman, John Frank....                 | St. Louis, Mo....   | 1403 Olive st.    |
| Rice, Thomas Aloysius.....               | St. Louis, Mo....   | 2710 N. 11th st.  |
| Shephard, Francis Bernard.               | Jerseyville, Ill... | 1909 Wash'n av.   |
| Stewart, William Loyd.....               | Clinton, Mo....     | 1221 Pine st.     |
| Tatum, Louis Reuben.....                 | St. Louis, Mo....   | 1014 Dolman st.   |
| Torrey, Jay Linn.....                    | St. Louis, Mo....   | 1717 St. Charles. |
|                                          |                     | Total, 23.        |

## JUNIOR CLASS.

|                             |                    |                 |
|-----------------------------|--------------------|-----------------|
| Allen, Charles Claflin..... | St. Louis, Mo....  | Barnum's Hotel. |
| Bantz, Gideon Davis.....    | St. Louis, Mo....  | 2325 Olive st.  |
| Brown, Henry Clay.....      | Nashville, Ill.... | 1110 Locust st. |
| Burks, William Thomas....   | Bellevue, Mo....   | 1110 Locust st. |

| NAMES.                       | FROM.               | RESIDENCE.         |
|------------------------------|---------------------|--------------------|
| Boeckler, William Lussen...  | St. Louis, Mo....   | 1119 Paul st.      |
| Chamberlain, Arthur W....    | St. Louis, Mo....   | 1717 St. Charles.  |
| Chauvenet, Louis.....        | St. Louis, Mo....   | 2703 Lucas av.     |
| Chouteau, Azby Augustus...   | St. Louis, Mo....   |                    |
| Coste, Paul Felix.....       | St. Louis, Mo....   | 1004 St. Ange av.  |
| Davis, Ernest.....           | Plattsburg, Mo...   |                    |
| Davis, George Ferdinand...   | Columbia, Mo....    | 203 N. Third st.   |
| Fisse, William Edmund....    | St. Louis, Mo....   | 1823 S. Seventh.   |
| Finney, Bernard.....         | St. Louis, Mo....   | Eighth & Chesn't   |
| Forster, George McMurdo...   | St. Louis, Mo....   | Fifth & Locust.    |
| Frame, George Washington...  | St. Louis, Mo....   |                    |
| Hall, Richard Smith.....     | Omaha, Neb....      | 2911 East Bell st. |
| Healy, Michael Francis....   | St. Louis, Mo....   | 206 Centre st.     |
| Jones, Jesse Barney.....     | Troy, Mo.....       | 2311 Morgan st.    |
| Joy, Charles Frederick....   | Jacksonville, Ill.  | 1009 W. Sixtee'th  |
| Kelso, Martin Green.....     | Du Quoin, Ill....   |                    |
| Lindley, Edward Purdy....    | St. Louis, Mo....   | Benton Place.      |
| McAskin, John.....           | Meramec Point, Ill. |                    |
| Maginn, James Patrick....    | St. Louis, Mo....   | 3049 Thomas st.    |
| Magner, John Francis.....    | St. Louis, Mo....   | 1102 N. Eighth.    |
| Price, Andrew.....           | Jefferson City, Mo. |                    |
| Richmond, Lorenzo.....       | St. Louis, Mo....   | 3028 Chestnut st.  |
| Roeder, John Benjamin....    | St. Louis, Mo....   | 504 Dorcas st.     |
| Romain, Emil Ferdinand...    | St. Louis, Mo....   |                    |
| Ruoff, William Louis.....    | Belleville, Ill.... |                    |
| Sackleben, Henry Girard...   | St. Louis, Mo....   | 1011 Dolman st.    |
| Sayre, Emilius Kitchell, Jr. | Monticello, Mo...   | 1936 Clark av.     |
| Squire, Eugene Charles H...  | St. Louis, Mo....   | Clay av.           |
| Steber, Louis Adam.....      | St. Louis, Mo....   |                    |
| Stillwell, Robert Templeton. | Shelbyville, Ill... | 1717 St. Charles.  |
| Stone, Elijah Francis.....   | St. Louis, Mo....   |                    |
| Shawvan, Rinard.....         | Milwaukee, Wis.     |                    |
| Wernse, William Frederick.   | St. Louis, Mo....   | 317 Olive st.      |
| Whittier, Olin Duff.....     | St. Louis, Mo....   |                    |
| Woodson, Archie McR.....     | Camden Pt. Mo...    | 2311 Morgan st.    |
|                              |                     | Total, 39.         |

The Law School of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue, and Bankrupt Law, besides causes at common Law and in Equity; also the State Circuit and Criminal Courts, and the St. Louis Court of Appeals; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of eight years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law School is enabled to present, give promise of still greater efficiency in the future.

#### COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standards of admission to the bar, for the practice of the profession. It embraces instruction in the principles of International, Constitutional and Admiralty Law, the Jurisdiction and Practice of United States Courts, Real Property Law (including a special course of lectures on Conveyancing), Equity Jurisprudence, Evidence, Pleading and Practice (at Common Law, in Equity, and under the Code), Mercantile Law and Contracts, Corporations, Insurance, Domestic Relations, Torts, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of

legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 2,500 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room assigned for the Law School in the new University building is reserved for their exclusive occupation, and is open to them throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

## SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free scholarships in the Law School should apply to the Provost on or before the 19th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.

2. That the applicant is of good character and standing.

The applicant must have a good English education, and the certificate of Professor Ssow, of the College, to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

Competition for the prize referred to is confined to the members of the graduating class in each year, under regulations announced at the opening of the term.

## TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1876-77:

Blackstone's Commentaries (Sharswood), Books, I, II, III; Wheaton's International Law, Wharton's Conflict of Laws, Parsons' Shipping and Admiralty, Bispham's Principles of Equity, Washburn on Real Property, vol. 1; Stephens (or Gould) on Pleading, Greenleaf on Evidence, Metcalf on Contracts, Story on Bills, Addlson on Torts (abr.)

Applicants for admission to the Senior Class of 1876-77, will be required to pass a satisfactory examination on the foregoing

works before the beginning of the term, and should apply in person, before or during the first week in October, to the Provost or Dean.

The Senior Class will use the following:—Parsons' Marine Insurance, Conkling's Treatise on Jurisprudence and Practice of U. S. Courts, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Bishop's Criminal Law, Story on Sales, Story on Promissory Notes, Story on Bailments, Flanders on Fire Insurance, Angell & Ames on Corporations, Schouler's Domestic Relations.

Applicants for admission to the Junior Class must be at least nineteen years of age, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess; nor will any reduction be made from the term fee. Class tickets are in no case transferable.

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, nor to any person under twenty-one years of age.

#### TUITION.

The tuition fee for the first year's attendance in either class will be \$80, and for the second year \$60, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

## SUMMARY.

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## LIST OF GRADUATES.

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### GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the years named. Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (\*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON.  
CHARLES BRANCH, A.M..  
HENRY BRANCH, A.M..  
REGIS CHAUVENET, A.M..  
THOMAS LAMB ELIOT, A.M.

1863.

JOHN PIERRE COLLIER.  
JOHN TILDEN DAVIS.  
WILLIAM RHIND DONALDSON.  
HENRY WARE ELIOT.  
OSCAR WILLIAM GAUSS.  
NATHANIEL GRAY SMITH HART.  
CHESTER HARDING KRUM.  
THOMAS KEITH SKINKER.  
\*JAMES STATT'S WATERS. 1869.

1864.

GEORGE WEBBER CUTTER, A.M..  
CHARLES EDWARD ILLSLEY, A.M..  
JOHN HERAN KERCHEVAL.  
JOHN GEORGE DAVID KNIGHT, A.M..  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE.  
FREDERICK JULIUS CASTLEHUN, A.M.,  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER, 1868.  
CHARLES FLETCHER HAZARD,  
JOSEPH NORWOOD LITTON,  
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, Jr.,  
ALEXANDER GILL DONALDSON,  
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS JACOB BLOCK, A.M.,  
FREDERICK MORGAN CRUNDEN, A.M.,  
HARVEY HALE DELANO,  
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP,  
CHARLES MANNING LITTON,  
FRANK CHARLTON STONE.

1870.

EDWARD EVERS,  
DAVID ROWLAND FRANCIS,  
DAVID GOLDSMITH,  
GEORGE WASHINGTON TAUSSIG,  
LOUIS WILLIAM TEUTEBERG,  
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER,  
SAMUEL HEMPLE CHATVENET,  
JOHN WILLIAM HOUGH,  
HENRY WILLIAM THIELE, A.M.

1872.

ELIOT CONWAY JEWETT.  
LYNE SHACKLEFORD METCALFE, JR.,  
WILLIAM FRANCIS PATRICK,  
MARTIN HAYWARD POST,  
ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN.  
WILLIAM SAMUEL CURTIS.  
JOHN WEBSTER SPARGO.

1874.

ED. MONROE BOWMAN,  
AZBY AUGUSTUS CHOUTEAU,  
FRED. ERNEST D'OENCH,  
FRED. BERTHOLD EWING.  
\*LUTHER KENNETT FARRAR. 1874.  
WILLIAM RIDG SCHUYLER,  
GEORGE LINCOLN STEVENS. \*

1875.

WILLIAM ELIOT CONZELMAN.  
PAUL FELIX COSTE,  
ALLEN CUTHBERT GLASGOW,  
FRANK ADAMS GLASGOW.

## GRADUATES IN POLYTECHNIC SCHOOL.

1866.

EDWARD SINGLETON HOLDEN, B.S.

1867.

REGIS CHAUVENET, B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871,  
EUGENE BERRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.,  
RUDOLPH RITTER, C.E.,  
ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.,  
RUFUS JUDAH DELANO, C.E.,  
ALBERT FRED. D'OENCH, E.M.

1873.

ROBERT ABELES, C.E.,  
ADOLPHUS LOVINGSTON, C.E.,  
HUBERT TAISSIG, C.E.

1874.

WINTHROP BARTLETT, C.E.,  
HENRY W. DOUGLASS, C.E.,  
MINARD L. HOLMAN, C.E.,  
FRANK HOTCHKISS, C.E.,  
ELIOT CONWAY JEWETT, A.B., C.E.,  
WILLIAM FRANCIS PATRICK, A.B., E.M.

1875.

GEORGE DARRAH BROOKE, C.E.,  
GEORGE BURNET, JR., C.E.,  
M. F. HEALY, B.S.,  
JOHN HOLMAN, C.E.,  
JAMES D. MCKEE, C.E.,  
CHARLES M. MORSE, E.M.

## GRADUATES IN LAW.

1869.

MAURICE D. COLLIER,  
DANIEL DILLON,  
JAMES S. GARLAND,  
WILLIAM E. HALL.

JOHN H. NICHOLSON.  
JOHN H. PLAYER,  
GIFFORD S. ROBINSON.  
CHARLES H. SEE,  
PHILIP SUTHERLIN.  
PETER J. TAAFE.  
JOSEPH T. TATUM.

1870.

EDWIN F. BAYLEY,  
LEWIS E. BEACH,  
NATHANIEL C. DRYDEN.  
EDWARD P. McCARTY.  
WILLIAM F. MARSH,  
OTTO W. MYSENBURG.  
RICHARD H. NORTON.  
ALFRED A. PAXTON.  
WILLIAM T. RICHMOND.

1871.

PHEBE W. COUZINS.  
ALEX. N. DEMENIL.  
SILAS W. DOOLEY.  
HENRY C. HART, JR.,  
HENRY C. HOGG.  
WM. T. HOUSTON.  
FRED. N. JUDSON.  
WM. C. KUEFFEN.  
FOSTER T. MARTIN.  
DAVID MURPHY.  
WILLARD A. SMITH.  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH.  
HENRY I. D'ARCY  
DAVID GOLDSMITH.  
JOHN J. McCANN.  
JOHN L. MAXWELL.

HENRY E. MILLS,  
 CHARLES NAGEL,  
 ALBERT NIGGEMAN,  
 HENRY O'GORMAN,  
 THOMAS J. ROWE,  
 LEANDER J. SMITH,  
 MICHAEL J. SULLIVAN,  
 GEORGE W. TAUSSIG,  
 EUGENE C. TITTMAN,  
 FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE,  
 IRENEUS D. FOULON,  
 BENJAMIN F. HEDGES,  
 J. LINN LADD,  
 MICHAEL J. MURPHY,  
 JOHN F. O'ROURKE,  
 BARNETT W. PRESCOTT,  
 CHARLES G. SINGLETON,  
 CHARLES E. STARR,  
 CHARLES F. W. DASSLER,  
 EDWARD L. GOTTSCHALK,  
 THEODORE HUNT,  
 HUGO MUENCH,  
 SIMON OBERMEYER,  
 JAMES M. PEARSON,  
 HENRY CLAY RILEY,  
 WILLIAM C. SMITH,  
 HENRY M. TALLMAN.

1874.

AMBROSE D. COUNTRYMAN,  
 JOHN D. DAVIS,  
 FRANK HICKS,  
 CHRISTIAN KOERNER,  
 F. L. LINTON,  
 J. B. McHOSE,  
 CHARLES NEWMAN,  
 JOHN V. NOELL,  
 FRANK W. PEEBLES.

1875.

B. F. CLARK.  
WILL. F. EDGAR.  
FRANK F. ESPENCHIED.  
FRANKLIN B. FERRIS.  
R. M. FOSTER.  
J. HAYWARD.  
A. D. JAMESON.  
E. C. McDOWELL.  
WM. L. MURFREE, JR.,  
A. H. PARKER,  
JAMES S. REBER,  
JOHN C. RICHARDSON.  
OTIS W. SCARBOROUGH.  
G. A. SCHUTTE.  
C. M. SWITZER,  
W. H. WARNOCK.  
JEAN F. WEBB.

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HONORARY GRADUATES.

1859.

N. D. TIRRELL, A.M.

1862.

JOHN E. SINCLAIR, A.M.

1866.

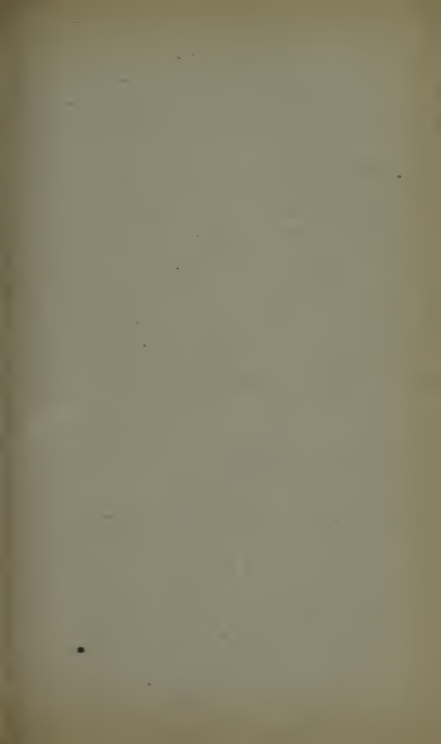
THOMAS METCALF, A.M.



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WASHINGTON UNIVERSITY.

1876-'77.



A CATALOGUE  
OF THE  
OFFICERS AND STUDENTS  
IN THE SEVERAL DEPARTMENTS OF  
**Washington University,**  
WITH THE  
COURSES OF STUDY  
FOR THE  
ACADEMIC YEAR 1876-77.

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FIRST TERM.

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SAINT LOUIS:  
C. R. BARNES, PRINTER, 215 PINE STREET,  
1876.

1877

|       | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. |
|-------|------|------|-------|------|-------|------|------|
| JAN.. | ...  | 1    | 2     | 3    | 4     | 5    | 6    |
|       | 7    | 8    | 9     | 10   | 11    | 12   | 13   |
|       | 14   | 15   | 16    | 17   | 18    | 19   | 20   |
|       | 21   | 22   | 23    | 24   | 25    | 26   | 27   |
|       | 28   | 29   | 30    | 31   | ...   | ...  | ...  |
| FEB.. | ...  | ...  | ...   | ...  | 1     | 2    | 3    |
|       | 4    | 5    | 6     | 7    | 8     | 9    | 10   |
|       | 11   | 12   | 13    | 14   | 15    | 16   | 17   |
|       | 18   | 19   | 20    | 21   | 22    | 23   | 24   |
|       | 25   | 26   | 27    | 28   | ...   | ...  | ...  |
| MAR.  | ...  | ...  | ...   | ...  | 1     | 2    | 3    |
|       | 4    | 5    | 6     | 7    | 8     | 9    | 10   |
|       | 11   | 12   | 13    | 14   | 15    | 16   | 17   |
|       | 18   | 19   | 20    | 21   | 22    | 23   | 24   |
|       | 25   | 26   | 27    | 28   | 29    | 30   | 31   |
|       | ...  | ...  | ...   | ...  | ...   | ...  | ...  |
| APR.  | 1    | 2    | 3     | 4    | 5     | 6    | 7    |
|       | 8    | 9    | 10    | 11   | 12    | 13   | 14   |
|       | 15   | 16   | 17    | 18   | 19    | 20   | 21   |
|       | 22   | 23   | 24    | 25   | 26    | 27   | 28   |
|       | 29   | 30   | ...   | ...  | ...   | ...  | ...  |
| MAY.  | ...  | ...  | 1     | 2    | 3     | 4    | 5    |
|       | 6    | 7    | 8     | 9    | 10    | 11   | 12   |
|       | 13   | 14   | 15    | 16   | 17    | 18   | 19   |
|       | 20   | 21   | 22    | 23   | 24    | 25   | 26   |
|       | 27   | 28   | 29    | 30   | 31    | ...  | ...  |
| JUNE  | ...  | ...  | ...   | ...  | 1     | 2    | ...  |
|       | 3    | 4    | 5     | 6    | 7     | 8    | 9    |
|       | 10   | 11   | 12    | 13   | 14    | 15   | 16   |
|       | 17   | 18   | 19    | 20   | 21    | 22   | 23   |
|       | 24   | 25   | 26    | 27   | 28    | 29   | 30   |
|       | ...  | ...  | ...   | ...  | ...   | ...  | ...  |

1877

|       | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. |
|-------|------|------|-------|------|-------|------|------|
| JULY  | 1    | 2    | 3     | 4    | 5     | 6    | 7    |
|       | 8    | 9    | 10    | 11   | 12    | 13   | 14   |
|       | 15   | 16   | 17    | 18   | 19    | 20   | 21   |
|       | 22   | 23   | 24    | 25   | 26    | 27   | 28   |
|       | 29   | 30   | 31    | ...  | ...   | ...  | ...  |
| AUG.. | ...  | ...  | ...   | 1    | 2     | 3    | 4    |
|       | 5    | 6    | 7     | 8    | 9     | 10   | 11   |
|       | 12   | 13   | 14    | 15   | 16    | 17   | 18   |
|       | 19   | 20   | 21    | 22   | 23    | 24   | 25   |
|       | 26   | 27   | 28    | 29   | 30    | 31   | ...  |
| SEPT  | ...  | ...  | ...   | ...  | ...   | ...  | 1    |
|       | 2    | 3    | 4     | 5    | 6     | 7    | 8    |
|       | 9    | 10   | 11    | 12   | 13    | 14   | 15   |
|       | 16   | 17   | 18    | 19   | 20    | 21   | 22   |
|       | 23   | 24   | 25    | 26   | 27    | 28   | 29   |
|       | 30   | ...  | ...   | ...  | ...   | ...  | ...  |
| OCT.. | ...  | 1    | 2     | 3    | 4     | 5    | 6    |
|       | 7    | 8    | 9     | 10   | 11    | 12   | 13   |
|       | 14   | 15   | 16    | 17   | 18    | 19   | 20   |
|       | 21   | 22   | 23    | 24   | 25    | 26   | 27   |
|       | 28   | 29   | 30    | 31   | ...   | ...  | ...  |
| NOV.. | ...  | ...  | ...   | ...  | 1     | 2    | 3    |
|       | 4    | 5    | 6     | 7    | 8     | 9    | 10   |
|       | 11   | 12   | 13    | 14   | 15    | 16   | 17   |
|       | 18   | 19   | 20    | 21   | 22    | 23   | 24   |
|       | 25   | 26   | 27    | 28   | 29    | 30   | ...  |
| DEC.. | ...  | ...  | ...   | ...  | ...   | ...  | 1    |
|       | 2    | 3    | 4     | 5    | 6     | 7    | 8    |
|       | 9    | 10   | 11    | 12   | 13    | 14   | 15   |
|       | 16   | 17   | 18    | 19   | 20    | 21   | 22   |
|       | 23   | 24   | 25    | 26   | 27    | 28   | 29   |
|       | 30   | 31   | ...   | ...  | ...   | ...  | ...  |

# UNIVERSITY CALENDAR.

1876-77.

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EXAMINATION FOR ADMISSION to the College and Polytechnic

School, Wednesday, September 13, 1876.

FIRST TERM begins Thursday, September 14.

LAW SCHOOL opens Wednesday, October 11.

HOLIDAY, THANKSGIVING DAY, Thursday, November 30.

WINTER VACATION, December 23, 1876, to January 2, 1877,  
inclusive.

SEMI-ANNUAL EXAMINATION, January 22-26.

SECOND TERM begins January 29.

HOLIDAY Thursday February 22, Washington's Birthday.

IRVING UNION EXHIBITION, Thursday, May 10.

HOLIDAY, Friday, May 11.

LAW COMMENCEMENT Monday, May 14.

ANNUAL EXAMINATION, June 6-13.

EXAMINATION FOR ADMISSION to the College and Polytechnic

School, Monday and Tuesday June 11-12.

COMMENCEMENT, Thursday, June 14.

SUMMER VACATION, June 14 to September 13.

1877-78.

EXAMINATION FOR ADMISSION to the College and Polytechnic

School, Wednesday September 12, 1877.

FIRST TERM begins Thursday, September 13.

LAW SCHOOL opens Wednesday, October 10.

HOLIDAY, THANKSGIVING DAY, —, —, —.

WINTER VACATION, December 22, 1877, to January 1, 1878,  
inclusive.

SEMI-ANNUAL EXAMINATION, January 21-25.

SECOND TERM begins Monday, January 28.

# CORPORATION.

---

PRESIDENT:

WILLIAM G. ELIOT.

VICE-PRESIDENT:

WAYMAN CROW.

SECRETARY AND TREASURER:

SETH A. RANLETT.

DIRECTORS:

WILLIAM G. ELIOT,  
WAYMAN CROW,  
JOHN M. KRUM,  
JAMES SMITH,  
SETH A. RANLETT,  
GEORGE PARTRIDGE  
JOHN R. SHEPLEY,  
ALBERT TODD,

HENRY HITCHCOCK,  
JAMES E. YEATMAN,  
SAMUEL TREAT,  
CARLOS S. GREELEY,  
ROBERT CAMPBELL,  
JOHN P. COLLIER,  
JOHN T. DAVIS.  
GEORGE E. LEIGHTON,

# OFFICERS

## OF

### GOVERNMENT AND INSTRUCTION.

---

|                                                                                                                                   | RESIDENCE.          |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|
| WM. G. ELIOT, D. D, <i>Chancellor, and<br/>Tileston Professor of Political Economy,</i>                                           | 2660 Washington av. |
| ABRAM LITTON, M. D., <i>Eliot Professor<br/>of Chemistry,</i>                                                                     | 2220 Eugenia st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Pro-<br/>fessor of Intellectual and Moral Philosophy,<br/>and Principal of Mary Institute,</i> | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A. M.,<br><i>Collier Professor of Greek,</i>                                                                | 1801 Washington av. |
| HENRY HITCHCOCK, LL. D., <i>Professor<br/>of Real Prop. Law, and Provost of the Law<br/>School,</i>                               | 1507 Lucas Place.   |
| SAMUEL TREAT, A. M., <i>President of the<br/>Law Faculty,</i>                                                                     | 1114 Pine st.       |
| ALBERT TODD, A. M., <i>Lecturer on the<br/>Law of Real Property as applied to Con-<br/>veyancing,</i>                             | Laclede Hotel.      |
| ALEXANDER MARTIN, A. M., <i>Professor<br/>of International, Admiralty, Marine Insur-<br/>ance, and Maritime Law,</i>              | 1810 Wash st.       |
| SAMUEL REBER, A.M., <i>Professor of His-<br/>tory and Science of Law, Constitutional<br/>Law, Torts, Equity and Successions,</i>  | 3012 Lucas avenue.  |
| JOHN M. KRUM, A.M., <i>Lecturer on Crim-<br/>inal Law,</i>                                                                        | 1107 Washington av. |

## RESIDENCE.

- GEORGE A. MADILL, A.M., *Professor of Real Property Law*,.....3119 Chestnut st.
- CALVIN M. WOODWARD, A.M., *Thayer Professor of Mathematics and Applied Mechanics, and Dean of Polytechnic School*, [Geyer aves. Cor. of Missouri and
- GEORGE E. JACKSON, A.M., *Professor of Latin*, .....3658 Washington av.
- MARSHALL S. SNOW, A.M., *Professor of History and Dean of the College*,.....2910 Pine st.
- GEORGE M. STEWART, A.M., *Professor of Mercantile Law and Contracts, and Dean of the Law Faculty*,.....Planters' House.
- WM. B. POTTER, A.M., E.M., *Allen Prof. of Mining and Metallurgy*,.....Wash. University.
- F. WILLIAM RAEDER, S.B., *Professor of Architecture*, .....3116 Delaware av.
- DENHAM ARNOLD., A.M., *Professor of Physics, and Principal of the Academy*,...2643 Washington av.
- CHARLES A. SMITH, C.E., *Professor of Civil and Mechanical Engineering*, .....1518 Lafayette av.
- CHESTER H. KRUM, A.B., *Professor of the Law of Pleading, Practice and Evidence, Corporations and Domestic Relations*,.....2732 Washington av.
- JOHN H. JENKS, M. D., *Professor of Physiology and Instructor in German*,....1418 O'Fallon st.
- JAMES K. HOSMER, A.M., *Professor of English and German Literature*,.....3418 Lucas av.
- FRANCIS E. NIPHER, A. M., *Wayman Crow Professor of Physics*,.....1403 Olive st.
- HALSEY C. IVES, *Professor of Drawing and Design*,.....1422 Olive st.
- JOHN K. REES, A.M., E.M., *Professor of Mathematics and Astronomy*,.....Southern Hotel.
- RUFUS J. DELANO, C.E., *Instructor in Gymnastics*, .....Wash'ton University

## UNIVERSITY PROFESSORS.

---

TRUMAN M. POST, D. D.,  
*Professor of Ancient and Modern History.*

GEORGE T. ENGELMANN, M. D.,  
*Professor of Botany and Natural History.*

JOHN T. HODGEN, M. D.,  
*Professor of Anatomy and Physiology.*

WM. T. HARRIS, LL. D.  
*Professor of Philosophy of Education.*

C. V. RILEY, PH. D.,  
*Professor of Entomology.*

---

“University Professors” have no regular duties imposed upon them, but will give lectures, either in the class-room or in University Hall, from time to time, as may be specifically arranged and announced.

## THE ACADEMY.

---

- DENHAM ARNOLD, A.M., *Principal*,...2643 Washington av.  
 JAMES A. LANIUS, *First Assistant*....724 Beaumont st.  
 ALBERT E. WARDNER, A. M., *First Assistant*,.....Webster Groves.  
 ISAAC N. CUNDALL, A.M., *Teacher of Third Class*,.....2600 Stoddard st.  
 CHARLES H. STONE, *Teacher of Fourth Class*, .....1017 N. 16th st.  
 HORACE A. BROWN, LL.B., *Teacher of English Branches and Book-Keeping*,....2610 Stoddard st.  
 ELI R. OFFUTT, *Teacher of Mathematics*,.3015 Thomas st.  
 WM. S. CURTIS, A. B., *Teacher of Fifth Class*,.....3212 Sheridan av.  
 ROBERT W. CONANT, A. B., *Assistant*,2647 Morgan st.  
 WALDEMAR MALMENE, M.B., *Cantab. Teacher of Vocal Music*,.....1635 Washington av  
 Mrs. ANNA B. HILLMAN, *Teacher in Preparatory Department*,.....2723 Wash st.  
 Miss INEZ E. BORDEN, *Teacher in Preparatory Department*,.....1802 Olive st.  
 Miss AMANDA FORD, *Principal of Primary Department*,.....1802 Olive st.  
 Miss LIZZIE W. LEIGH, *Ass't Teacher in Primary Department*,.....3435 Olive st.

WASHINGTON UNIVERSITY.

MARY INSTITUTE.

- 
- CALVIN S. PENNELL, A.M., *Principal*. 1600 Pine street.  
 MISS MARY S. WATKINS, *Instructor in*  
*Latin and Natural Sciences*,.....2624 Olive street.  
 MISS HENRIETTA SAWYER, *Principal*  
*Preparatory Department*,.....2839 Olive street.  
 MISS MARGARET T. WALLACE, *Prin-*  
*cipal of Primary Department*,.....2926 Laclede av.  
 MRS. REBECCA M. HUNTINGTON, *As-*  
*stant in Primary Department*,.....1230 Washington av.  
 MISS FLORENCE K. HOLDEN, *Instruc-*  
*tor in Penmanship and Book-Keeping*,....2626 Olive street.  
 MISS SARAH E. COLE, *Instructor in Nat-*  
*ural Sciences and Mathematics*,.....1420 Washington av.  
 MISS JULIA F. RIPLEY, *Teacher of Nat-*  
*ural Philosophy and English Branches*,...711 Locust street  
 MISS ANNIE WALL, *Teacher of History*  
*and German*,.....2810 Locust street.  
 MISS CAROLINE M. PEASE, *Teacher of*  
*English Branches*,.....711 Locust street.  
 MRS ANNIE L. McCARGO, *Teacher of*  
*English Branches*,.....2923 Laclede av.  
 MADAME LOUISE GRANDJEAN, *Teach-*  
*er of French*,.....1626 Dodier street.  
 MISS HELAN E. SEAVEY, *Assistant in*  
*French, and Teacher of English*,.....2026 Chestnut street.  
 MISS JOSEPHINE E. YEOMAN, *Teacher*  
*of Reading and Composition*,.....2026 Chestnut street.  
 MISS SAIDEE DUNNICA, *Teacher of*  
*Gymnastics and English Branches*,.....1609 Hickory street.  
 MISS KATE J. BRAINERD, *Teacher of*  
*Vocal and Instrumental Music*,.....2642 Olive street.  
 MISS SARAH M. MILLS, *Teacher of*  
*Drawing*,.....1703 Olive street.

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of practical and scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into the charge or charges that may be preferred, in respect thereof,

by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University."

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charges hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University should attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic School was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law School was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must be paid, and the best facilities for education, apparatus, library,

buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. The time has come for the West to found its own institutions, to educate its own children. St. Louis is to be the metropolitian city of the West, and there is no good reason why there should not be established here a University of the highest class, with advantages of education equal to those afforded in the best institutions of America or Europe. Time is requisite, undoubtedly, but, with sufficient funds, the usual work of many years may be accomplished in one, and those who begin the work may have the satisfaction of seeing it accomplished. With this hope, and to show the principle on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

#### “ARTICLE V.

##### “ENDOWMENT OF PROFESSORSHIPS.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

#### “ARTICLE VI.

##### “ENDOWMENT OF DEPARTMENTS.

“Any person may found, by an adequate endowment a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.”

## "ARTICLE VII.

## "SPECIFIC FUNDS.

"All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatsoever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

## THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality, the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

## THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thomas Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors; and a complete "School of Mines" has been organized and is now in operation, with all advantages usually enjoyed.

## SMITH LECTURE FUND.

A Lecture Fund has been established, for account of which see p. 59 of Catalogue.

## ORGANIZATION.

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### WASHINGTON UNIVERSITY

#### COMPREHENDS :

- I.—THE ACADEMY.
- II.—MARY INSTITUTE.
- III.—THE COLLEGE.
- IV.—THE POLYTECHNIC SCHOOL.
- V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Students entering the Polytechnic School and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic School without examination.

At a meeting of the Board of Directors of the University, held in November, 1874, the following resolutions were adopted :

*Resolved*, On recommendation of the Faculty, and with a view to the promotion of the best interests of learning and science, and for the encouragement of young men to obtain a complete education before entering upon a professional career,

1—That the graduates of the College of the University shall have *free admission* to the classes of the Polytechnic School, either as regular or partial students, subject to the rules and regulations of the same.

2—That the graduates of the Polytechnic School shall have *free admission* to the College classes, either as regular or partial students, subject to the rules and regulations of the same.

The following resolution was also passed, embodying the principle already in practical operation, but not previously placed upon record:

“That the graduates of Mary Institute in full standing shall be entitled to free admission to the classes of the College or Polytechnic School, either as regular or partial students, on examination, and subject to the rules and regulations of said departments: it being distinctly understood that a diploma shall not be given to any such student except on completion of the full course of study.”

# I.—THE ACADEMY.

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## FACULTY AND INSTRUCTORS.

---

WM. G. ELIOT, D.D.,

CHANCELLOR.

DENHAM ARNOLD, A.M.

PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, A.M.

HALSEY C. IVES.

JAMES A. LANIUS.

ALBERT E. WARDNER, A.M.

ISAAC N. CUNDALL, A.M.

CHARLES H. STONE.

HORACE A. BROWN, LL.B.

ELI R. OFFUTT.

WM. S. CURTIS, A.B.

ROBERT W. CONANT, A.B.

WALDEMAR MALMENE.

Mrs. ANNA B. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

## STUDENTS.

## ADVANCED CLASS.

| NAMES.                        | RESIDENCE.              |
|-------------------------------|-------------------------|
| Aderton, Joseph G.....        | 3516 Washington avenue. |
| Aull, Wilson.....             | 3414 Washington avenue. |
| Baron, Julius.....            | 1214 S. Fifth street.   |
| Campbell, Hazlett K.....      | 1508 Lucas Place.       |
| Campbell, James A.....        | 1508 Lucas Place.       |
| Jackson, Edward F.....        | 3658 Washington avenue. |
| Kennett, Geo C.....           | 2835 Pine street.       |
| Johnson, Lee R.....           | Collinsville, Illinois. |
| Laffin, Sylvester H., Jr..... | 2834 Olive street.      |
| Papin, Theophile.....         | 2014 Olive street.      |
| Shepley, Geo. F.....          | 1518 Washington avenue. |
|                               | Total. 11.              |

## FIRST CLASS

|                              |                          |
|------------------------------|--------------------------|
| Cameron, Edward Arthur.....  | 1524 Mississippi avenue. |
| Case, P. G. Camden.....      | Baden, St. Louis Co. Mo. |
| Chamberlain, Elliot H.....   | 1819 Washington avenue.  |
| Dorsey, Richard Edward.....  | Bunker Hill, Illinois.   |
| Filley, Augustus.....        | 1614 Olive street.       |
| Gazzam, Joseph Parker.....   | 2810 Pine street.        |
| Helfenstein, Philip, Jr..... | Webster Groves,          |
| Kaime, Benj. E.....          | 3521 Lucas avenue.       |
| Kaime, George J.....         | Grand Ave. near Morgan.  |
| Lane, Presley Carr.....      | 3640 Baker avenue.       |
| Leathe, Samuel.....          | 2700 Lucas avenue.       |
| Pfouts, James.....           | 3412 Morgan street.      |
| Primm, Benj. J.....          | Belleville, Illinois.    |
| Rumbold, Frank M.....        | 1205 Washington avenue.  |

| NAMES                      | RESIDENCE.              |
|----------------------------|-------------------------|
| Shapleigh, Alfred Lee..... | 1229 Washington avenue. |
| Snyder, Wm. H., Jr.....    | Belleville, Ill.        |
| Westerman, Alfred, O.....  | 1926 Carr street.       |
|                            | Total, 17.              |

## SECOND CLASS.

|                               |                          |
|-------------------------------|--------------------------|
| Beattie, Wm. J.....           | 2007 Eugenia street.     |
| Bryan, P. Taylor.....         | 1405 Pine street.        |
| Burnet, Samuel F.....         | Carondelet.              |
| Cavender, James S.....        | Benton Place.            |
| Clark, Wm. G., Jr.....        | 1530 Washington avenue.  |
| Clayton, Edward H.....        | Webster Groves.          |
| Cline, George W., Jr.....     | 840 South Eighth street. |
| Collins, Thomas Richeson..... | 2119 Eugenia street.     |
| Crookes, Edward.....          | 3803 Bellefontaine road. |
| Dieckriede, Robert C.....     | 1613 Chouteau avenue.    |
| Evens, Ellis L.....           | 2814 Locust street.      |
| Fishback, Geo W.....          | Kirkwood Missouri.       |
| Freligh, Louis H., Jr.....    | 1436 N. Francis street.  |
| Gempp, Arthur.....            | 1127 Dolman street.      |
| Gildehaus, Henry Wm., Jr..... | 1910 Gratiot street.     |
| Glasgow, Julian K.....        | 1510 Washington avenue.  |
| Gregg, Wm. H., Jr.....        | 2639 Pine street.        |
| Hendon, Eddie L.....          | 2727 Morgan streets.     |
| Johnston, Wm. H.....          | 2715 Dayton street.      |
| Kennett, Kenneth Wilson.....  | 2835 Pine street.        |
| Kinear, Hamilton E.....       | 3104 Locust street.      |
| Lane, Price.....              | 3640 Baker avenue.       |
| Mallinckrodt Oscar.....       | Central P. O.            |
| McCormick Charles.....        | 3506 Chestnut street.    |
| McKittrick George H.....      | 2621 Chestnut street.    |
| Merrick Louis A.....          | 1913 Wash street.        |
| Moore John A.....             | 1118 St. Ange street.    |
| Moss, Frank B.....            | Fairview, Missouri.      |
| Offutt, Marshall M.....       | 3015 Thomas street.      |
| Orr, William A.....           | Compton Hill.            |

| NAMES.                       | RESIDENCE.               |
|------------------------------|--------------------------|
| Paramore, Edward.....        | 1002 Chouteau avenue.    |
| Patrick, Warner K.....       | 1618 Washington avenue.  |
| Pilley, Lytton W.....        | Iron Mountain, Missouri. |
| Rychlicki, Wlad H.....       | St. Louis Township.      |
| Schulte, Henry C.....        | Galveston, Texas.        |
| Scudder, William H.....      | St. Louis Township.      |
| Simon, Charles Fitzhugh..... | 2821 Locust street.      |
| Singer, William.....         | 1421 State street.       |
| Starkwather, Oakley B.....   | Compton Hill.            |
| Stone, Cola E.....           | 1017 North Sixteenth st. |
| Willis, Charles L.....       | 413 North Eighth street. |
|                              | Total, 41.               |

## THIRD CLASS.

|                            |                                               |
|----------------------------|-----------------------------------------------|
| Benson, Edward Wm.....     | 1924 Wash street.                             |
| Bremermann, Charles M..... | 928 Winter street.                            |
| Bruckner, Gustav.....      | Highland, Illinois.                           |
| Bryan, John Gano.....      | Kirkwood, Missouri.                           |
| Chester, Fred D.....       | 1126 St. Ange street.                         |
| Colman, Frank P.....       | St. Louis Township.                           |
| Dana, Charles H.....       | { Tucker Place, Station B.<br>Carondelet Row. |
| Feldman, Richard.....      | Hermann, Missouri.                            |
| Ferguson, John Archie..... | St. Louis County.                             |
| Gordon Robt. C.....        | 2601 Olive street.                            |
| Grindon, Arthur T.....     | 2127 Market street.                           |
| Jacobson, Arthur.....      | 1617 Wash street.                             |
| January, Derick A.....     | 1137 Washington Avenue.                       |
| Knight, Newell C.....      | 2628 Pine street                              |
| Knox. Prevost Mason.....   | Lindell Hotel.                                |
| Krausse, Emil B.....       | { Menard street, between<br>Sydney and Lynch. |
| Kreuning, Francis H.....   | 1018 North Thirteenth st.                     |
| Lane, Ralph.....           | 3640 Baker avenue.                            |
| McKittrick, Thomas.....    | 1119 Washington avenue.                       |

| NAMES.                     | RESIDENCE.                |
|----------------------------|---------------------------|
| McLaran, Robert L.....     | 1628 Lucas Place.         |
| McVean, Fred. C.....       | St. Louis Arsenal.        |
| Olcott, Arthur W.....      | Rock Hill, Mo.            |
| Perry, Richard E.....      | 3407 Washington avenue.   |
| Rannells, John W.....      | Laclede Station.          |
| Reutlinger, Charles A..... | 1614 St. Louis avenue.    |
| Rose, Louis, Jr.....       | 2937 Hickory street.      |
| Samuel, Edward M.....      | 2341 Chestnut street.     |
| Schott, Otto G.....        | Highland, Ill.            |
| Scudder, James W.....      | Cote Brillante.           |
| Short, Orville Edward..... | 3038 Sheridan avenue.     |
| Smith, Earl C.....         | Alton, Ill.               |
| Stanard, William K.....    | 3629 Lindell avenue.      |
| Stifel, Otto F.....        | 1901 North Fourteenth st. |
| Taussig, Alfred.....       | 1109 Valle avenue.        |
| Taussig, Walter M.....     | 1526 Mississippi avenue.  |
| Tower, George F., Jr.....  | Grand avenue.             |
| Von Schrader, Geo.....     | 1315 Garrison avenue.     |
| Wakefield, Loren A.....    | 2409 Washington avenue.   |
| Wyatt, M. Clay.....        | 2232 Scott avenue.        |
| Total, 39.                 |                           |

## FOURTH CLASS.

|                               |                           |
|-------------------------------|---------------------------|
| Baker, Jesse G.....           | Lindell Hotel.            |
| Bolte, Fred. S.....           | 1310 Broadway.            |
| Bosworth, Charles E.....      | 2109 Eugenia street.      |
| Brooks, Benjamin.....         | Chouteau av., w. of Grand |
| Calhoun, James C.....         | 2705 Lucas avenue.        |
| Capen, Samuel D.....          | 1520 Olive street.        |
| Caddy, Ross P.....            | 519 Ware avenue.          |
| Davis, James C.....           | Central Township.         |
| Fabian, Carl.....             | 1107 Dillon street.       |
| Gage, Charles L., Jr.....     | 3668 Washington avenue.   |
| Gieselman, Fred. William..... | 1522 North Seventeenth st |
| Gordon, Lindell.....          | 2601 Olive street.        |
| Harris, John F.....           | 3022 Dickson street.      |

| NAMES.                     | RESIDENCE.                                  |
|----------------------------|---------------------------------------------|
| Hodges, Abel B. W.....     | 2115 Walnut street.                         |
| Jenne, Joseph.....         | 2628 Market street.                         |
| Knox, Lefferts.....        | Lindell Hotel.                              |
| Koenig, Alfred W.....      | 1000 Sidney street.                         |
| McNeil, Wm. Ed.....        | 1806 Carr street.                           |
| MacDonald, Malcolm W.....  | 200 North Eighth street.                    |
| Mayer, Oscar E.....        | Vicksburg, Miss.                            |
| Meier, Albert G.....       | Cor. Ohio av. & Miami st.                   |
| Ohlman, Edward L.....      | Rosamond, Ill.                              |
| Pegram, Frank R.....       | 1321 Chouteau avenue.                       |
| Petring, George Henry..... | 1709 Wash street.                           |
| Platt, Charles R.....      | 1623 Carr street.                           |
| Reaser, M. Howell.....     | 2120 Clark avenue.                          |
| Sessinghaus, William.....  | 1512 Spring street.                         |
| Shultz, Herbert S.....     | 2824 Dayton street.                         |
| Smith, Baron P.....        | Carondelet.                                 |
| Smith, Irwin Z., Jr.....   | 1800 Wash street.                           |
| Stark, Cornelius G.....    | 1012 N. Twenty-fourth st.                   |
| Stolle, Henry.....         | 1122 North Nineteenth st.                   |
| Tilden, Grant.....         | 3005 Glasgow Place.                         |
| Turner, Wilson P. H.....   | 1706 Lucas Place.                           |
| Ward, Junius R.....        | { Leota Landing, Wash-<br>ington Co., Miss. |
| Whitelaw, George G.....    | Southern Hotel.                             |
| Winkelmeyer, Adolph E..... | 1714 Market street.                         |
| Winter, Rufin S.....       | 1103 St. Ange avenue.                       |
| Wiseman, Arthur A.....     | 3531 Chestnut street.                       |
| Zukoski, Edmund L.....     | 2709 Dayton street.                         |
|                            | Total, 40.                                  |

## FIFTH ACADEMIC.

|                        |                         |
|------------------------|-------------------------|
| Barron George B.....   | 1817 University street. |
| Calhoun, John A.....   | 2705 Lucas avenue.      |
| Colburn, Walter B..... | 310 North Eleventh st.  |
| Coste, Felix.....      | 1004 St. Ange avenue.   |
| Dean, William W.....   | 1728 Washington avenue. |

| NAMES.                       | RESIDENCE.                    |
|------------------------------|-------------------------------|
| Drescher, Fred. B.....       | O'Fallon, St. Clair Co., Ill. |
| Grether, Ellsworth Tell..... | 2911 Gamble street.           |
| Hays, Harry D.....           | 2705 Lucas avenue.            |
| Haseltine, Charles W.....    | 2731 Pine street.             |
| Henry, William Stuart.....   | Cote Brilliante.              |
| Horton, Benjamin F.....      | 3635 Lindell avenue.          |
| Hughes, William M.....       | 3014 Cass avenue.             |
| Jackiesch, Henry C., Jr..... | East St. Louis.               |
| Kraemer, Edward.....         | 612 Franklin avenue.          |
| Leighton, George B.....      | Glendale, Mo.                 |
| Lewis, Augustus G.....       | 2909 Franklin avenue.         |
| Link, Ernst, Jr.....         | 2221 Clark avenue.            |
| Maurer, Jacob H.....         | Hecker, Monroe Co., Ill.      |
| McCargo, Wallace.....        | 2923 Laclede avenue.          |
| O'Connor, Edward L.....      | 2434 Wash street.             |
| Pundt, Oscar H.....          | Omaha, Nebraska.              |
| Richards, Eben, Jr.....      | Cor. Franklin & Grand avs     |
| Roos, William E.....         | 1309 Washington avenue.       |
| Russell, Daniel R.....       | Oak Hill, Mo.                 |
| Scheele, Matthias.....       | 1802 South Seventh st.        |
| Scholer, Ernest.....         | 3011 Cass avenue.             |
| Senter, John A.....          | 2737 Lucas avenue.            |
| Smith, Joseph C.....         | 3411 Washington avenue.       |
| Spannagel, Gustav H.....     | 1829 Wash street.             |
| Strauss, David.....          | 1842 Kennett Place.           |
| Wenzel, Adam P.....          | 801 Franklin avenue.          |
| Will, Samuel.....            | 3114 North Tenth street.      |
|                              | Total, 32.                    |

#### PREPARATORY CLASS.

|                           |                         |
|---------------------------|-------------------------|
| Anderson, Louie A.....    | 3017 Easton avenue.     |
| Bartholow, Russell N..... | 3144 Locust street.     |
| Bogy, Lewis V.....        | 1610 Lucas Place.       |
| Brown, Wiley B.....       | 2709 Washington avenue. |
| Cavender, Edward R.....   | Benton Place.           |
| Collins, Horace C.....    | 2119 Eugenia street.    |

| NAMES.                          | RESIDENCE.               |
|---------------------------------|--------------------------|
| Cundall, Walter A.....          | 2600 Stoddard street.    |
| Dougherty, James Edgar.....     | 2716 Olive street.       |
| Eliot, William G., Jr.....      | 2600 Washington avenue.  |
| Filley, Victor G.....           | 2527 Lucas Place.        |
| Fletcher, Patrick.....          | 2402 Biddle street.      |
| Hutchinson, George Herbert..... | 2949 Sheridan avenue.    |
| Knight, Harry F.....            | 2628 Pine street.        |
| Logeman, Charles Alfred.....    | 1827 Carr street.        |
| Maude, Lees.....                | 1731 Washington avenue.  |
| Macqueen, Alexander M.....      | 2017 Park avenue.        |
| Nicholson, Peter, Jr.....       | } 1108 Garrison avenue.  |
| Nicholson, Alexander.....       |                          |
| O'Fallon, Frank M.....          | Normandy, Mo.            |
| Pocock, Walter.....             | 3107 Bell street.        |
| Ridgely, Samuel W.....          | 2631 Washington avenue.  |
| Samuel, William R.....          | 2341 Chestnut street.    |
| Scudder, Charles.....           | Cote Brillante.          |
| Smith, George P.....            | Pattonville, P. O.       |
| Storer, Frank D.....            | Belvidere Flats.         |
| Thompson, Frank C.....          | Lindell Hotel.           |
| Watson, Harry A.....            | 3022 Easton avenue.      |
| Wilhelmy, Henry C.....          | 3301 North Tenth street. |
|                                 | Total, 28.               |

## PREPARATORY SCIENTIFIC CLASS.

|                                 |                                    |
|---------------------------------|------------------------------------|
| Block, Robert C.....            | Aberdeen, Mo.                      |
| Bremermann, Robert G.....       | 928 Winter street.                 |
| Bryan, William H.....           | { Washington, Franklin<br>Co., Mo. |
| Button, Alfred A.....           | 1402 North Fourteenth st.          |
| Creveling, William Clement..... | 1425 Lucas Place.                  |
| Gass, Frank W.....              | 1512 Olive street.                 |
| Julian, Frank.....              | 303 North Twelfth street.          |
| McHatton, Charles G., Jr.....   | 2131 Walnut street.                |
| Mallinckrodt, Emil, Jr.....     | Central Township.                  |
| Perkins, Nathan W.....          | 1503 Chestnut street.              |

| NAMES.                    | RESIDENCE.                |
|---------------------------|---------------------------|
| Richards, Walter B.....   | Leavenworth, Kansas.      |
| Russell, S. Bent.....     | Oak Hill, Mo.             |
| Shippen, William F.....   | 2928 Olive street.        |
| Stoutzenberg, Joseph..... | Marine, Madison Co., Ill. |
| Utterback, Charles B..... | 3032 Locust street.       |
| Wiseman, Oliver F.....    | 3531 Chestnut street.     |
|                           | Total, 16.                |

### COMMERCIAL CLASS.

|                                |                           |
|--------------------------------|---------------------------|
| Baker, John L.....             | Forest Park.              |
| Buck, Ralph S.....             | 2917 Morgan street.       |
| Carr, George A.....            | 1908 Wash street.         |
| Kinne, Fritz L.....            | Highland, Ill.            |
| Peck, John A.....              | 3607 Vandeventer Place.   |
| Platt, Philip C.....           | 1623 Carr street.         |
| Schneider, Philip Wm., Jr..... | 1832 South Eighth street. |
|                                | Total, 7.                 |

### PRIMARY CLASS.

|                              |                         |
|------------------------------|-------------------------|
| Baker, Frank W.....          | Forest Park.            |
| Ballou, George A.....        | 2608 Stoddard street.   |
| Battle, Duncan Shelby.....   | Rock Spring.            |
| Bartlet, James A.....        | 3018 Glasgow Place.     |
| Baseome, Radford W.....      | 2631 Olive street.      |
| Bauduy, William Keating..... | 2106 Clark avenue.      |
| Benton, William H., Jr.....  | 1604 Lucas Place.       |
| Blackman, James Herbert..... | 2217 Olive street.      |
| Bogy, Bernard P.....         | 1610 Lucas Place.       |
| Brackett, Darville S. A..... | 1617 Washington avenue. |
| Brant, Tyler K.....          | Lindell Hotel.          |
| Calvert, Rupert L.....       | Kennett Place.          |
| Capen, George H.....         | 1520 Olive street.      |
| Carter, Henry S.....         | St. Louis Township.     |
| Chamberlain, Fred. B.....    | 1819 Washington avenue. |

| NAMES.                        | RESIDENCE.               |
|-------------------------------|--------------------------|
| Charlot, George C.....        | 2849 Clark avenue.       |
| Clark, Daniel Harry.....      | 2653 Washington avenue.  |
| Clark, Rufus L.....           | 1530 Washington avenue.  |
| Clemens, James.....           | Twentieth and Cass av.   |
| Clover, Henry A.....          | 2116 Clark avenue.       |
| Collins, Henry Blaksley.....  | 3422 Morgan street.      |
| Cook, Isaac, Jr.....          | Southern Hotel.          |
| Davis, John T., Jr.....       | 2123 Lucas Place.        |
| Ellis, Howard F.....          | 2901 Gamble street.      |
| Evill, Burton K.....          | 1917 Lucas avenue.       |
| Glasgow, Willie J.....        | 1510 Washington avenue.  |
| Gordon, Clarence M.....       | 2601 Olive street.       |
| Grether, John L.....          | 2911 Gamble street.      |
| Griffith, Harold J.....       | 205 South Sixteenth st.  |
| Haeberle, Fred. S.....        | 1316 Madison street.     |
| Hebard, Alfred Partridge..... | 1618 Olive street.       |
| Hill, William V.....          | 1014 North Sixteenth st. |
| Hitchcock, George C.....      | 1507 Lucas Place.        |
| Knight, Eugene C.....         | 2628 Pine street.        |
| Krum, John M.....             | 2732 Washington avenue.  |
| Lea, Joel L., Jr.....         | Fulton, Tenn.            |
| Leavenworth, Mark.....        | 1521 Olive street.       |
| Logeman, Roland H.....        | 1827 Carr street.        |
| McCargo, John.....            | 2923 Laclede avenue.     |
| McKittrick, Hugh.....         | 1119 Washington avenue.  |
| McNichol, Robert Lee.....     | 1509 Chestnut street.    |
| Magruder, D. Lynn.....        | 1600 Lucas Place.        |
| Mathey, Constant F.....       | 1021 Dolman street.      |
| Offut, Douglass.....          | 3015 Thomas street.      |
| Peper, Adolph S.....          | 1522 Morgan st.          |
| Petring, Walter H.....        | 1709 Wash street.        |
| Ross, Edward K.....           | 5 High street.           |
| Sands, Clarence B.....        | Southern Hotel.          |
| Schmidt, Rudolph C.....       | 1108 Dillon street.      |
| Shaw, Stephen G.....          | 2601 Olive street.       |
| Simmons, Wallace D.....       | 1814 Olive street.       |
| Simpkins, Allan T.....        | 3106 Morgan street.      |
| Steedman, James H.....        | 2803 Pine street.        |

| NAMES                             | RESIDENCE.               |
|-----------------------------------|--------------------------|
| Stone, Percy W.....               | 1017 North Sixteenth st. |
| Strauss, Emil S.....              | 1842 Kennett Place.      |
| Taylor, Walter C.....             | 1804 Lucas Place.        |
| Valle, Paul B.....                | 2710 Washington avenue.  |
| Van Studdiford, Charles D. K..... | 1623 Olive street.       |
| Ware, Edward T.....               | 1113 Washington avenue.  |
| Waters, William D.....            | 2309 Locust street.      |
| Wayman, Clement.....              | 2104 Chestnut street.    |
| Webster, Perry M.....             | 814 Tayon avenue.        |
| Winter, William D.....            | 1103 St. Ange avenue.    |
| Zukoski, Charles F.....           | 2709 Dayton street.      |
|                                   | Total. 64.               |

## ADMISSION.

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Pupils are admitted to the Fourth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupils will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle or end of the term. Every absence, however brief, from the regular exercises should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through five years, and includes those studies which are preparatory to the College and the Polytechnic School of the University.

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## COURSE OF STUDY.

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### FOURTH CLASS.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.

*History.*—Anderson's United States.

*English Grammar.*—Green's Introductory.

*Latin.*—Harkness's Introductory Latin Book.

Hooker's Book of Nature.

*Reading, Writing and Spelling; Composition.*

### THIRD CLASS.

#### FIRST TERM.

*Mathematics.*—Walton's Written Arithmetic and Stoddard's Intellectual Arithmetic.

*Latin*.—Harkness's Introductory Latin Book.

*English Grammar*.—Parsing and Analysis.

*Reading, Writing, and Spelling; Composition and Declamation.*

#### SECOND TERM.

*Mathematics*.—Walton's Written Arithmetic.

*Grammar*.—Parsing and Analysis.

*Latin*.—Harkness's Latin Reader.

*Reading, Writing and Spelling; Composition and Declamation.*

#### SECOND CLASS.

##### FIRST TERM.

*Geography*.—Guyot's Physical Geography.

*Latin*.—Harkness's Cæsar.

*Greek*.—Harkness's First Greek Book.

*Writing and Spelling; Composition and Declamation.*

##### SECOND TERM.

*Mathematics*.—Ficklin's Algebra.

*Latin*.—Harkness's Cæsar.

*Greek*.—Anabasis; Greek Prose Composition.

*Writing and Spelling; Composition and Declamation.*

#### FIRST CLASS.

##### FIRST TERM.

*Physiology*.—Dalton's.

*Mathematics*.—Ficklin's Algebra.

*Latin*.—Æneid of Virgil.

*Greek*.—Harkness's First Greek Book; Felton's Greek Reader.

*Rhetoric*.—Quackenbos's First Lessons.

*Composition and Declamation.*

##### SECOND TERM.

*Mathematics*.—Ficklin's Algebra.

*Latin*.—Æneid of Virgil; Latin Prose Composition.

*Greek*.—Felton's Greek Reader.

*History*.—United States.

*German*.—Otto's German Grammar.

*Composition and Declamation.*

## ADVANCED CLASS.

## FIRST TERM.

*Latin*.—Æneid of Virgil; Latin Prose Composition.  
*Greek*.—Felton's Greek Reader; Greek Composition.  
*Mathematics*.—Davies' Legendre.  
*German*.—Comfort's German Reader.  
*History*.—Pennell's Greece.  
*Composition and Declamation*.

## SECOND TERM.

*Latin*.—Cicero's Orations; Latin Prose Composition.  
*Greek*.—Anabasis; Greek Prose Composition.  
*Mathematics*.—Davies' Legendre, continued.  
*German*.—William Tell.  
*History*.—Pennell's Rome.  
*Composition and Declamation*.

## PREPARATORY SCIENTIFIC CLASS.

## FIRST TERM.

*Algebra*.—Ficklin's.  
*Physiology*.—Dalton's.  
*German*.—Otto's Grammar; Comfort's German Reader.  
*Rhetoric*.—Quackenbos's First Lessons.  
*Composition and Declamation*.  
*Geometry and Mechanical Drawing*.

## SECOND TERM.

*Algebra*.—Ficklin's, through Quadratics—use of Logarithms.  
*Philosophy*.—Rolfe and Gillet's.  
*History*.—United States.  
*German*.—William Tell.  
*Geometry and Mechanical Drawing*.  
*Composition and Declamation*.

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended, also, for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of the Academy, and classes are trained by a competent instructor.

## EXAMINATIONS.

Besides examinations of Classes by select committees, appointed by the Directors for the purpose, public examinations are held at the close of the Academic term.

## MONTHLY REPORTS.

Monthly reports will be made of the attendance, deportment, standing, and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                  |         |
|--------------------------------------------------|---------|
| Primary Class, per term of 20 weeks.....         | \$25 00 |
| Preparatory " " " .....                          | 30 00   |
| Fourth " " " .....                               | 35 00   |
| Third " " " .....                                | 37 50   |
| Second " " " .....                               | 40 00   |
| First " " " .....                                | 42 00   |
| Advanced " " " .....                             | 45 00   |
| Commercial " " " .....                           | 50 00   |
| Preparatory Scientific, per term of 20 weeks.... | 50 00   |

These rates are for the current year only.

No extra charge of any kind will be made, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.

## II--MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1858, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Since that time an addition has been made which has more than doubled the original capacity and accommodations.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics and the Natural Sciences will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic School of the University.

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### BOARD OF MANAGERS.

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## FACULTY.

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Miss HENRIETTA SAWYER,  
Miss MARGARET T. WALLACE,  
Miss FLORENCE K. HOLDEN,  
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Miss JOSEPHINE E. YEOMAN,  
Miss ANNIE WALL,  
Miss JULIA F. RIPLEY,  
Miss CAROLINE M. PEASE,  
Mrs. ANNIE L. McCARGO,  
Miss HELEN E. SEAVEY,  
Mrs. REBECCA M. HUNTINGTON,  
MADAME LOUISE GRANDJEAN,  
Mrs. KATE JONES BRAINERD,  
Miss SARAH M. MILLS,  
Miss SAIDEE D'ENNICA.

## STUDENTS.

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### SENIOR ADVANCED CLASS.

| NAMES.                  | RESIDENCE.           |
|-------------------------|----------------------|
| Allen, Annie L.....     | 1414 Lucas Place.    |
| Clark, Ellen C.....     | 2728 Pine street.    |
| Desloge, Clara C.....   | Benton Place.        |
| Groshon, Nellie C.....  | Webster Groves.      |
| Litton, Alice W.....    | 2220 Eugenia street. |
| Scollay, Josephine..... | 2309 Chestnut.       |
|                         | Total, 6.            |

### JUNIOR ADVANCED CLASS.

|                       |                       |
|-----------------------|-----------------------|
| Glasgow, Sarah L..... | 3016 Glasgow Place.   |
| Pegram, Minnie S..... | 1321 Chouteau avenue. |
| Powell, Lennie.....   | 2712 Lucas avenue.    |
|                       | Total, 3.             |

### FIRST ACADEMIC CLASS.

|                      |                                  |
|----------------------|----------------------------------|
| Bent, Mary L.....    | 717 Garrison avenue.             |
| Chase, Ida W.....    | { Grand, near Shenandoah avenue. |
| Clapp, Lillie F..... |                                  |
| Clark, Lizzie P..... | 1530 Washington avenue.          |
| Dodd, Mary L.....    | 2311 Locust street.              |
| Fogg, Mary L.....    | 1318 Washington avenue.          |

| NAMES.                   | RESIDENCE.                                    |
|--------------------------|-----------------------------------------------|
| Gage, Fannie S.....      | 3668 Washington avenue.                       |
| Hargadine, Julia.....    | 1416 Washington avenue.                       |
| Knox, Sadie A.....       | Lindell Hotel.                                |
| Libby, Cora.....         | 2644 Washington avenue.                       |
| Lionberger, Mary A.....  | 1601 Olive street.                            |
| Orr, Katie M.....        | Compton Hill.                                 |
| Portness, Lucie B.....   | 3033 Chestnut street.                         |
| Richards, Grace.....     | { N. E. corner Grand and<br>Franklin avenues. |
| Runyan, Mary D.....      | 1825 Papin street.                            |
| Stillwell, Sallie H..... | 2344 Chestnut street.                         |
| Sylvester, Helen L.....  | 2305 Walnut street.                           |
|                          | Total, 17.                                    |

## SECOND ACADEMIC CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Beattie, Annie.....      | 2007 Eugenia street.    |
| Breed, Susie P.....      | 2720 Washington avenue. |
| Dunnica, Eudora S.....   | 1609 Hickory street.    |
| Gregg, Clara J.....      | 2639 Pine street.       |
| Harrison, Brianna L..... | 2835 Olive street.      |
| Hinde, Vernetta.....     | Cote Brillante.         |
| Kellenberger, Edith..... | Benton Place.           |
| Lackland, Margaret.....  | 1623 Lucas Place.       |
| Lightner, Mary E.....    | 1637 Washington avenue. |
| Lippmann, Jennie R.....  | 1209 Dillon street.     |
| McLaran, Ella.....       | 1628 Lucas Place.       |
| Morehead, Ida M.....     | 3037 Washington avenue. |
| Moulton, Melle J.....    | 2614 N. Ninth street.   |
| Munroe, Allee L.....     | 1618 Olive street.      |
| Scott, Lulu Q.....       | 3018 Lucas avenue.      |
| Simon, May R.....        | 2821 Locust street.     |
| Stanford, Allee M.....   | 1615 Olive street.      |
| Tower, Nellie P.....     | Compton Hill.           |
| Wail, Lula B.....        | 2702 Locust street.     |
| Wickham, Fanny G.....    | 1712 Lucas Place.       |
|                          | Total, 20.              |

## THIRD ACADEMIC CLASS.

| NAMES                     | RESIDENCE.                                    |
|---------------------------|-----------------------------------------------|
| Bent, Lucy.....           | 717 Garrison avenue.                          |
| Chauvin, Lucille M.....   | 1308 Olive street.                            |
| Colman, Laura K.....      | Olive Street Road.                            |
| Dryden, Mary C.....       | { Cor. California avenue<br>and Miami street. |
| Dunham, Cora A.....       | 2631 Pine street.                             |
| Eisenstadt, Jennie.....   | 3142 Locust street.                           |
| Grant, Jennie A.....      | 2113 Walnut street.                           |
| Hayward, Fanita.....      | 1833 Carr Place.                              |
| Hemple, Annie C.....      | 2703 Lucas avenue.                            |
| McPheeters, Sallie G..... | 1000 Olive street.                            |
| Newman, Lemira M.....     | 3037 Washington avenue.                       |
| Orr, Belle L.....         | Compton Hill.                                 |
| Powell, Edith.....        | 2712 Lucas avenue.                            |
| Reed, Addie P.....        | 1703 Olive street.                            |
| Reynolds, May G.....      | 2809 Dayton street.                           |
| Schrader, Julie von.....  | 1315 Garrison avenue.                         |
| Swain, Lillie J.....      | 1011 Benton street.                           |
| Switzer, Eugenia.....     | 1725 Washington avenue.                       |
| Taussig, Emma.....        | 1219 Dolman street.                           |
| Teasdale, Lucy Byrd.....  | 1223 St. Ange avenue.                         |
| Thomas, Ida W.....        | 1618 Washington avenue.                       |
| Valle, Ida.....           | 1516 Lucas Place.                             |
| White, Mollie A.....      | 1024 Clay avenue.                             |
| Total, 24.                |                                               |

## FOURTH ACADEMIC CLASS.

|                        |                                            |
|------------------------|--------------------------------------------|
| Bartlett, Abbie T..... | 3018 Glasgow Place.                        |
| Blood, Nellie W.....   | 1000 Chouteau avenue.                      |
| Blow, Eugenia L.....   | 3212 Olive street.                         |
| Carter, May A. E.....  | Belleville, Ill.                           |
| Clover, Mary M.....    | 3303 Washington avenue.                    |
| Durkee, Helen L.....   | 2803 Locust street.                        |
| Field, Lillie C.....   | { McPherson, near Vande-<br>venter avenue. |

| NAMES.                    | RESIDENCE.                                    |
|---------------------------|-----------------------------------------------|
| Filley, Anna K.....       | 1614 Olive street.                            |
| Gill, Mary W.....         | Kirkwood.                                     |
| Greene, Julia M.....      | 19 South Fifteenth street.                    |
| Gumersell, Ida B.....     | 2837 Morgan street.                           |
| Hargadine, Mary McC.....  | 1416 Washington avenue.                       |
| Hewitt, Mary F.....       | 3556 Lindell avenue.                          |
| Horton, Katie M.....      | 3635 Lindell avenue.                          |
| Howard, Eliza.....        | 3036 Washington avenue.                       |
| Jonett, Mary L.....       | 3552 Lindell avenue.                          |
| Kimball, Ninette.....     | Florissant.                                   |
| Lewis, Sallie.....        | 3014 Morgan street.                           |
| Liggett, Cora B.....      | 2921 Locust street.                           |
| Logan, Mary E.....        | 3024 Easton avenue.                           |
| Maxon, Nella.....         | 2908 Washington avenue.                       |
| McPherson, Sophie E.....  | 1701 Washington avenue.                       |
| Parks, Alma J.....        | { Summit avenue, south<br>of Chouteau avenue. |
| Peper, Maggie P.....      | 1522 Morgan street.                           |
| Poujand, Anita C.....     | 1423 Pine street.                             |
| Reynolds, Florence S..... | 2811 Dayton street.                           |
| Richards, Carrie L.....   | N. E. Corner Grand and<br>Franklin avenues.   |
| Shepley, Mary Louisa..... | 1518 Washington avenue.                       |
| Sherman, Edith B.....     | 2633 Locust street.                           |
| Shultz, Mary J.....       | 3005 Easton avenue.                           |
| Smith, Lillie K.....      | Carondelet.                                   |
| Wainwright, Katie A.....  | 1121 Morrison avenue.                         |
| Walker, Alby M.....       | 3416 Washington avenue.                       |
| White, Ethel.....         | 2622 Gamble street.                           |
|                           | Total, 34.                                    |

## FIFTH ACADEMIC CLASS.

|                      |                         |
|----------------------|-------------------------|
| Blossom, May.....    | 3000 Locust street.     |
| Bogy, Julia A.....   | 1610 Lucas Place.       |
| Carter, Emma N.....  | Grand avenue.           |
| Copelin, Emma R..... | Compton Hill.           |
| Ellot, Rose.....     | 2660 Washington avenue. |

| NAMES.                    | RESIDENCE.                                          |
|---------------------------|-----------------------------------------------------|
| Evens, Laura A.....       | 2814 Locust street.                                 |
| Gibson, Lizzie R.....     | { Cor. McNair and La-<br>fayette avenues.           |
| Gibson, Louisa K.....     | 2739 Lucas avenue.                                  |
| Glasgow, Anita D.....     | Ingleside.                                          |
| Gordon, Lillie.....       | 2601 Olive street.                                  |
| Gumersell, Louise B.....  | 2837 Morgan street.                                 |
| Henry, Kathleen.....      | Cote Brilliante.                                    |
| Holmes, Laura.....        | 2647 Morgan street.                                 |
| Hospes, Adele L.....      | 1623 Salisbury street.                              |
| Kennett, Lucy S.....      | 1504 Washington avenue.                             |
| King, Nannie L.....       | Cote Brilliante.                                    |
| Kinney, Cora.....         | 2005 Chestnut street.                               |
| Levi, Ida J.....          | 3126 Pine street.                                   |
| Levi, Sallie R.....       | 3126 Pine street.                                   |
| Maurice, Mary A.....      | { Park avenue, bet. Missouri<br>and Armstrong aves. |
| Munroe, Mary A.....       | 1618 Olive street.                                  |
| Noland, Nellie.....       | 3148 Locust street.                                 |
| O'Fallon, R. Rosa.....    | Grand avenue.                                       |
| Pfaff, Harriet M.....     | 3302 Laclede avenue.                                |
| Plant, Carrie A.....      | 3008 Lucas avenue.                                  |
| Reber, Maud.....          | 3012 Lucas avenue.                                  |
| Sells, Mary.....          | 3001 Cass avenue.                                   |
| Van Degriff, Sadie E..... | 2621 Pine street.                                   |
| Whitman, Jessie L.....    | 3139 Lucas avenue.                                  |
| Willis, Lillian S.....    | 1621 Washington avenue.                             |
| Youngs, Emma.....         | 2716 Olive street.                                  |
| Total, 31.                |                                                     |

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#### FIRST PREPARATORY CLASS.

|                        |                          |
|------------------------|--------------------------|
| Acock, M. Roberta..... | 2810 North Tenth street. |
| Allen, Alice Maud..... | 1414 Lucas Place.        |
| Benton, Katie S.....   | 1604 Lucas Place.        |
| Betts, Carrie.....     | 1102 Morrison avenue.    |
| Bremermann, Clara..... | 928 Winter street.       |
| Bridge, Amy.....       | Glendale.                |

| NAME.                    | RESIDENCE.              |
|--------------------------|-------------------------|
| Fell, Edith C.....       | 1102 Olive street.      |
| Gage, Lizzie.....        | 3668 Washington avenue. |
| Glasgow, M. Susie.....   | Ingleside, Normandy.    |
| Haines, Virginia C.....  | 2814 Locust street.     |
| January, Mary B.....     | 1137 Washington avenue. |
| McClellan, Lillie A..... | 3428 Morgan street.     |
| Perry, Laura.....        | 3407 Washington avenue. |
| Sterling, Alma.....      | 1318 Chouteau avenue.   |
| Tennent, Zaidee.....     | 3016 Lucas avenue.      |
| Triplett, Louisa S.....  | 2123 Pine street.       |
| Valle, Isabelle.....     | 2710 Washington avenue. |
| Wade, Annie B.....       | 3200 Lafayette avenue.  |
| Wilson, Carrie E.....    | 2706 Locust street.     |
| Total, 19.               |                         |

## SECOND PREPARATORY CLASS.

|                             |                         |
|-----------------------------|-------------------------|
| Anderson, Georgie C.....    | 3729 N. Ninth street.   |
| Brown, Cynthia M.....       | 1118 Pine street.       |
| Chamberlain, Harriet E..... | 1819 Washington avenue. |
| Crookes, Florence E.....    | 1613 Salisbury street.  |
| Gill, Annebel H.....        | Kirkwood.               |
| Hospes, Cecilla L.....      | 1623 Salisbury street.  |
| Johnston, Bessie N.....     | 2715 Dayton street.     |
| Keferstein, Emilly A.....   | 1128 St. Ange avenue.   |
| Kehlor, Carrie E.....       | 3606 Vandeventer Place. |
| Liggett, Ella D.....        | 2921 Locust street.     |
| Merrick, Lilla C.....       | 1913 Wash street.       |
| McLaran, M. Alice.....      | 1628 Lucas Place.       |
| Moore, Bettie W.....        | 2730 Lucas avenue.      |
| Niccolls, May.....          | 2651 Washington avenue. |
| Powell, Emma W.....         | 2712 Lucas avenue.      |
| Provenchere, G. Elise.....  | 1103 Paul street.       |
| Rogers, Mary A.....         | 3220 Washington avenue. |
| Stahlberg, Louisa W.....    | 2600 Cass avenue.       |
| Total, 18.                  |                         |

## THIRD PREPARATORY CLASS.

| NAMES.                    | RESIDENCE.                                          |
|---------------------------|-----------------------------------------------------|
| Benton, Lucy B.....       | 1604 Lucas Place.                                   |
| Broadhead, Nannie D.....  | Lafayette avenue.                                   |
| Clemens, Lily B.....      | { Cor. Twenty-first street<br>and Cass avenue.      |
| Coit, M. Ada.....         | 2820 Pine street.                                   |
| Corbitt, Sallie M.....    | 1812 Wash street.                                   |
| Cupples, Amelia L.....    | Cote Brilliante.                                    |
| Drake, Bertie W.....      | 2807 Locust street.                                 |
| Gauss, Adele L.....       | { California av., between<br>Park and Lafayette avs |
| McPheeters, Fannie W..... | 1000 Olive street.                                  |
| Moore, Cleon D. V.....    | 716 N. Twelfth street.                              |
| Sterling, Hildegard.....  | 1318 Chouteau avenue.                               |
| Teasdale, Jessie M.....   | 2303 Park avenue.                                   |
| Walker, Etta.....         | 3416 Washington avenue.                             |
| Woodson, Julia M.....     | 2817 Morgan street.                                 |
| Wright, Annie M.....      | 2937 Washington avenue.                             |
|                           | Total, 15.                                          |

## FOURTH PREPARATORY CLASS.

|                         |                         |
|-------------------------|-------------------------|
| Bartlett, Hattie G..... | 3018 Glasgow Place.     |
| Boyd, Lulu C.....       | 2129 Eugenia street.    |
| Boyle, Lena.....        | 1303 Washington avenue. |
| Capen, Frances J.....   | 1520 Olive street.      |
| Clark, V. Lee.....      | 1530 Washington avenue. |
| Crookes, Alice.....     | 1613 Salisbury street.  |
| Dougherty, Jessie.....  | 2716 Olive street.      |
| Gregg, Julia F.....     | 2639 Pine street.       |
| Jacobs, Clara C.....    | 1909 Wash street.       |
| January, Edith.....     | 1137 Washington avenue. |
| January, Jeannette..... | 1137 Washington avenue. |
| Johnson, Lizzie L.....  | 2131 Lucas Place.       |
| Kinney, Maggie.....     | 2005 Chestnut street.   |
| Lea, Augusta.....       | 1530 Washington avenue. |
| Lee, Ellen D.....       | 2716 Lucas avenue.      |

| NAMES.                     | RESIDENCE.              |
|----------------------------|-------------------------|
| Magruder, Mary L.....      | 1600 Lucas Place.       |
| Magruder, Susie L.....     | 1600 Lucas Place.       |
| McKittrick, Martha.....    | 1119 Washington avenue. |
| Nicholson, Ellen.....      | 1108 Garrison avenue.   |
| Offutt, Maggie C.....      | 3015 Thomas street.     |
| Orr, Mary A.....           | Compton Hill.           |
| Pearson, Grace B.....      | 3221 Locust street.     |
| Richards, Ellen.....       | 2608 Locust street.     |
| Shepley, Annie.....        | 1518 Washington avenue. |
| Stotlemeyer, Minnie B..... | 1912 Wash street.       |
| Taylor, Agnes.....         | 1804 Lucas Place.       |
| Williams, Annie.....       | 2930 Laclede avenue.    |
|                            | Total, 27.              |

## PRIMARY CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Boyd, Margie C.....      | 2129 Eugenia street.    |
| Britton, Sarah.....      | 3409 Morgan street.     |
| Brown, Linda.....        | 2709 Washington avenue. |
| Buck, Gertrude.....      | 2208 Lucas Place.       |
| Cole, Rebecca.....       | 1728 Lucas Place.       |
| Dameron, Mary S.....     | 1705 Washington avenue. |
| Edgar, Laura.....        | 2936 Pine street.       |
| Ellot, Ada.....          | 3047 Thomas street.     |
| Ellot, Mary E.....       | 2660 Washington avenue. |
| Gibbs, Addie.....        | 2138 Eugenia street.    |
| Goddard, Jennie.....     | 1 Jefferson avenue.     |
| Gregg, Orie L.....       | 2639 Pine street.       |
| Guye, Lilly.....         | 2004 Lafayette avenue.  |
| Haus, Mary A.....        | 1417 Lucas Place.       |
| Hospes, Minnie.....      | 1623 Salisbury street.  |
| Johnson, Eugenia V.....  | 2131 Lucas Place.       |
| Kuyser, Charlotte J..... | 1420 Lucas Place.       |
| Kruu, Mary F.....        | 2732 Washington avenue. |
| Lackland, Mary S.....    | 3552 Lindell avenue.    |
| Leavenworth, Grace.....  | 1521 Olive street.      |
| Martin, Annie.....       | 503 Ware avenue.        |

| NAMES.                    | RESIDENCE.                                    |
|---------------------------|-----------------------------------------------|
| Mathey, Ida.....          | 1021 Dolman street.                           |
| McDonald, Helen M.....    | 1314 Washington avenue.                       |
| Moore, Laura P.....       | 2730 Lucas avenue.                            |
| Niccolls, Grace.....      | 2651 Washington avenue.                       |
| O'Fallon, Caroline R..... | Lindell Hotel.                                |
| O'Fallon, Harriet L.....  | Grand avenue.                                 |
| Patrick, May H.....       | 1618 Washington avenue.                       |
| Peugnet, Marie T.....     | 1905 Carr street.                             |
| Pocock, Annie.....        | 3107 Bell street.                             |
| Richards, Theoline T..... | { N. E. corner Grand and<br>Franklin avenues. |
| Ridgely, Mary S.....      | 2631 Washington avenue.                       |
| Scudder, Mary H.....      | Cote Brilliante.                              |
| Scudder, Sarah.....       | Cote Brilliante.                              |
| Sterling, Edith A.....    | 1318 Chouteau avenue.                         |
| Tennent, Kate.....        | 3016 Lucas avenue.                            |
| Tennent, Mary H.....      | 3016 Lucas avenue.                            |
| Ticknor, Virginia.....    | 2820 Pine street.                             |
| Valle, Maud A.....        | 2710 Washington avenue.                       |
| Whitelaw, Emma L.....     | Southern Hotel.                               |
| Williams, Carrie.....     | 2930 Laclede avenue.                          |

Total, 41.

## COURSE OF STUDY.

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### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

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### PREPARATORY DEPARTMENT.

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#### FOURTH PREPARATORY CLASS.

##### FIRST CLASS.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate.

*Mathematics.*—Felter's Intermediate Arithmetic; Federal Money.

*Writing.*—Begun and continued through the course.

*Drawing.*—Begun and continued through the course.

*French.*—Chouquet's First Lessons.

*Vocal Music.*—Begun and continued through the course.

##### SECOND TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate; Blackboard Exercises.

*Mathematics.*—Felter's Intermediate Arithmetic.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary instruction continued.

## THIRD PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading and Spelling.

*History.*—Read History of the United States.

*Geography.*—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps. Begin with Europe.

*Mathematics.*—Felter's Intermediate Arithmetic; Stoddard's Intellectual. Begin with "Measures of Space."

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—As found in History of the United States.

*History.*—Read History of the United States.

*Mathematics.*—Written Arithmetic; Oral, continued.

*French.*—Chouquet's First Lessons; Florian.

*Music.*—Elementary Instruction continued.

## SECOND PREPARATORY CLASS.

## FIRST TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Text Book, with Drawing Maps on the Blackboard.  
Begin with South Atlantic States.

*History.*—Read Sewell's History of Rome.

*Mathematics.*—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers. Begin with "Cubic Measure."

*French.*—Chouquet's First Reader; Florian.

## SECOND TERM.

*English Language.*—Reading, Spelling and Grammar.

*Geography.*—Guyot's Intermediate, reviewed.

*History.*—Read Sewell's History of Rome.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Intermediate; Compound Numbers.

*French*.—Chouquet's First Reader; Florian.

### FIRST PREPARATORY CLASS.

#### FIRST TERM.

*English Language*.—Reading and Spelling; Graded Lessons in English Grammar.

*History*.—Higginson's United States; Geography.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School. Begin Fractions.

*French*.—Chouquet's First Reader; Florian. Use Masson's Dictionary in this and subsequent classes.

#### SECOND TERM.

*English Language*.—Reading and Spelling; Graded Lessons in English Grammar.

*History*.—Higginson's United States; Geography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.

*French*.—Chouquet's First Reader; Florian.

## ACADEMIC DEPARTMENT.

### FIFTH ACADEMIC CLASS.

#### FIRST TERM.

*English Language*.—Reading and Spelling; Definitions and Sentences; Grammar.

*Geography*.—Guyot's Common School.

*History*.—Read Dickens' England.

*Mathematics*.—Oral and Written Arithmetic.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Reading, Spelling and Defining.

*Grammar*.—Analysis of Sentences.

*History*.—Dickens' History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Oral and Written Arithmetic, with written explanations.

*French*.—Fasquelle's First Course; La Fontaine.

*Music*.—Elementary Instruction continued.

## FOURTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Grammar reviewed.

*History*.—St. Ouen's Histoire de France, or Barnes's Brief History.

*Mathematics*.—Arithmetic.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Elementary Instruction continued.

*Drawing*.—Study of Form, by sketching simple objects.

## SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Same as above.

*Mathematics*.—Arithmetic; Algebra begun.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine.

*Music*.—Solfeggio Singing and Vocalization.

## THIRD ACADEMIC CLASS.

## FIRST TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness's Grammar and Reader.

*Physiology*.—Huxley and Youmans'.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Music*.—Solfeggio Singing and Vocalization.

*Drawing*.—Study of Dimension, in straight lines, angles and curves.

#### SECOND TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra; Principles of Arithmetic reviewed, with Problems.

*Latin*.—Grammar and Reader; Cæsar.

*Natural History*.—Botany.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Poètes Français by dictation.

*Drawing*.—Study of Form; Sketching.

*Music*.—Solfeggio Singing and Vocalization.

#### SECOND ACADEMIC CLASS.

##### FIRST TERM.

*English Language*.—Shaksperian Reader.

*Mathematics*.—Geometry.

*Latin*.—Sallust; Antiquities.

*Physics*.—Natural Philosophy.

*Rhetoric*.—Hart's Composition and Rhetoric; English Grammar reviewed.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade; Sketching simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

##### SECOND TERM.

*English Language*.—Shaksperian Reader; Trench's Study of Words.

*Mathematics*.—Geometry.

*Latin*.—Ovid; Cleero; Mythology.

*History*.—Review United States.

*Chemistry*.—Youmans' Class Book.

*French*.—Fasquelle's Grammar; Vinet; La Fontaine; Molière by dictation.

*Drawing*.—Study of Light and Shade from simple objects.

*Music*.—Solfeggio Singing and Thorough Bass.

## FIRST ACADEMIC CLASS.

### FIRST TERM.

*English Language*.—Shaksperian Reader.

*History*.—Student's Hume.

*Belles-Lettres*.—Collier's English Literature.

*Geography*.—Review.

*Astronomy*.—Lockyer's Elementary.

*Latin*.—Æneid, continued.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Theory of Perspective; Sketching.

*Music*.—Continued.

### SECOND TERM.

*Latin*.—Odes of Horace.

*Natural Science*.—Tenney's Geology.

*Political Science*.—Townsend's Analysis of the Constitution of the United States.

*History*.—Student's Hume.

*Mathematics*.—Arithmetic Reviewed.

*French*.—Littérature; Translate Vicar of Wakefield into French.

*Drawing*.—Practice of Perspective, by sketching objects.

*Music*.—Continued.

## ADVANCED COURSE.

Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

## FIRST YEAR.

## FIRST TERM.

*History*.—Smith's History of Greece.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics.  
*Physical Geography*.—Gnyot's Earth and Man.  
*Mathematics*.—Trigonometry.\*  
*Natural History*.—Agassiz and Gould's Zoology.  
*French*.—Literature; Conversation.  
*Latin*.\*  
*Greek*.\*  
*German*.—Grammar.  
*Art*.—Drawing from Nature; Biography of Artists.

## SECOND TERM.

*History*.—History of Greece, continued.  
*English Literature*.—Selected Reading; Themes.  
*Philosophy*.—Hamilton's Metaphysics, continued.  
*Mathematics*.—Analytical Geometry.  
*Natural History*.—Agassiz's Methods of Study in Natural History.  
*French*.—Literature; Conversation.  
*Latin*.\*  
*Greek*.\*  
*German*.—Marla Stuart; Goethe's Egmont.  
*Physics*.—Ganot's.\*  
*Art*.—Drawing; History of Schools of Art.

## SECOND YEAR.

## FIRST TERM.

*History*.—Bryce's History of the Roman Empire.

*English Literature*.—Schlegel's Dramatic Art and Literature;  
Themes.

*Political Economy*.

*Chemistry*.—Roscoe's.\*

*Mathematics*.—Mechanics.\*

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

*Physics*.—Ganot's.\*

## SECOND TERM.

*History*.—Bryce's History of the Roman Empire, continued.

*Philosophy*.—Jouffroy's Ethics; Evidences of Natural and  
Revealed Religion.

*Astronomy*.—White's.

*Mathematics*.—Mechanics.\*

*Physics*.

*French*.—Literature; Conversation.

*Latin*.\*

*German*.—Lessing.

*Vegetable Physiology*.

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Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

## TUITION.

|                                              |         |
|----------------------------------------------|---------|
| Primary Department, per term of 20 weeks.... | \$35 00 |
| Fourth Preparatory Class, " " ....           | 40 00   |
| Third " " " " ....                           | 45 00   |
| Second " " " " ....                          | 50 00   |
| First " " " " ....                           | 50 00   |
| Fifth Academic " " " " ....                  | 55 00   |
| Fourth " " " " ....                          | 60 00   |
| Third " " " " ....                           | 70 00   |
| Second " " " " ....                          | 80 00   |
| First " " " " ....                           | 80 00   |
| Advanced " " " " ....                        | 80 00   |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED, except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

## BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to Mary Institute, reference may be made to the Principal or to any of the Faculty.

### III.- THE COLLEGE.

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#### FACULTY.

WM. G. ELIOT, D. D., *Chancellor.*  
ABRAM LITTON, M. D.  
CALVIN S. PENNELL, A. M.  
SYLVESTER WATERHOUSE, A. M.  
CALVIN M. WOODWARD, A. M.  
GEORGE E. JACKSON, A. M.  
MARSHALL S. SNOW, A. M., *Dean.*  
WM. B. POTTER, A. M., E. M.  
DENHAM ARNOLD, A. M.  
JOHN H. JENKS, M. D.  
JAMES K. HOSMER, A. M.  
FRANCIS E. NIPHER, A. M.  
JOHN K. REES, A. M., E. M.

## STUDENTS.

## POST-GRADUATE STUDENT.

## NAMES.

## RESIDENCE.

\*Wm. Ridg. Schuyler (A. B., 1874) .. 2820 Locust street.

## JUNIOR CLASS.

Allen, Lyman Whitney.....3109 Chestnut street.  
 Eames, Wm. Sylvester.....1224 Washington avenue.  
 Eliot, Edward Cranch.....2660 Washington avenue.  
 Kennett, Wm. Covington.....2835 Pine street.  
 Knox, Harris Edwin.....705 N. Eighteenth street.  
 Le Bourgeois, Louis.....2927 Pine street.  
 Shapleigh, John Blasdel.....1229 Washington avenue.  
 Total, 7.

## SOPHOMORE CLASS.

Ford, Rochester.....1017 N. Sixteenth street.  
 Goodlett, Wm. Campbell.....1107 N. Twentieth street.  
 Hinkley, Walter Raleigh.....Belleville, Ill.  
 Ritterskamp, Louis Henry.....2341 State street.  
 Total, 4.

## FRESHMAN CLASS.

Dorsey, Montrose Pallen.....Bunker Hill, Ill.  
 Fishback, Louis Maxwell.....Kirkwood, Mo.

\*Latin, French, German.

| NAMES.                       | RESIDENCE.                            |
|------------------------------|---------------------------------------|
| Goodell, Lewis William.....  | 2300 Eugenia street.                  |
| Markham, George Dickson..... | 1125 S. Tenth street.                 |
| McLean, James Stafford.....  | { Washington, Franklin<br>County, Mo. |
| Mense, Charles Wood.....     | 3104 Morgan street.                   |
| Monell, Joseph.....          | 319 N. Seventh street.                |
| Morrill, Geo. S.....         | 1530 Rosatti street.                  |
| Von Schrader, Otto.....      | 1315 Garrison avenue.                 |
| Webb, David Castleman.....   | 3523 Olive street.                    |
|                              | Total, 10.                            |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

|                                |                         |
|--------------------------------|-------------------------|
| Bailey, Wm. Bell.....          | 1222 Olive street.      |
| *Ballinger, Emma S.....        | 3405 Pine street.       |
| Clayton, Clarence.....         | Webster groves.         |
| Farrar, John Royal.....        | 1431 Lucas Place.       |
| *Kellogg, E. Louise.....       | 1233 Washington avenue. |
| Mudd, Harry Gilmer.....        | Kirkwood, Mo.           |
| Thomas, Benjamin Franklin..... | Central Township.       |
|                                | Total, 7.               |

TIMES AND CONDITIONS OF EXAMINATION FOR  
ADMISSION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, on *Monday and Tuesday, June 11 and 12, 1877*. Candidates will present themselves in Room No. 2 of the east wing, at 8 o'clock, A. M.

Every student not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another institution, a certificate of dismissal in good standing.

\*Latin with Freshman Class

Candidates for admission to the Freshman Class will be examined in the following books:

#### LATIN.

Cæsar's Commentaries, four books; the *Æneid* of Virgil, to Book VII; Cicero's Select Orations, Harkness's Grammar, including Prosody; Writing Latin.

#### GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

#### GERMAN.

Grammar and Reader; William Tell.

#### MATHEMATICS.

Arithmetic; Algebra, through Quadratics; Davies's Legendre, six books.

#### GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; History of Greece and Rome.

#### ENGLISH COMPOSITION.

The student will be expected to write a short composition upon some subject connected with the History of Greece or Rome.

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The subjects for examination on the first day will be—Latin, Greek, Arithmetic and Algebra.

On the second day—Geometry, German, History, English Composition.

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted.

## COURSE OF STUDY.

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The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

*All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.*

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### FRESHMAN CLASS.

#### FIRST TERM.

*Latin*.—Livy; Exercises in writing Latin.

*Greek*.—Felton's Greek Historians; Exercises in writing Greek.

*Mathematics*.—Geometry, completed.

*History*.—Freeman's Outlines.

*German*.—German Prose and Composition.

*Elementary Ethics*.

*Themes and Declamation*.

#### SECOND TERM.

*Latin*.—Horace; Exercises in writing Latin.

*Greek*.—Panegyricus of Isocrates; Homer; Exercises in writing Greek.

*Mathematics*.—Higher Algebra.

*History*.—England.

*German*.—German Prose and Composition.

*Themes and Declamation*.

## SOPHOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's Tusculan Disputations.

*Greek*.—Demosthenes de Corona.

*Mathematics*.—Trigonometry.

*History*.—England.

*French*.—Grammar; Histoire de France par G. Ducondray;  
Composition.

*Themes and Declamation*.

## SECOND TERM.

## REQUIRED STUDIES:

*Latin*.—Juvenal; Terence; Plautus.

*Mathematics*.—Analytical Geometry.

*Physics*.

*History of English Literature*.—(Lectures.)

*French*.—Grammar; Ducondray; Composition.

*Themes and Declamation*.

## ELECTIVE STUDIES:

*Greek*.

*History*.

## JUNIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Chemistry*.—Roscoe's.

*History*.—France. Read in the original some French author.

*Rhetoric*.—Lectures and Recitations; Study of Anglo-Saxon and Old English.

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES:

*Latin*.—Tacitus or Quintilian.

*Greek*.—Thucydides; Antigone of Sophocles.

*Mathematics*.—Analytical Geometry and Calculus.

*Physics*.

*Comparative Philology*.

## SECOND TERM.

## REQUIRED STUDIES :

*Mathematics*.—Statics; Dynamics.

*Mineralogy and Geology*.—(Lectures and Recitations).

*Philosophy*.—Jevons's Logic.

*History*.—Read, in the original, some French author. History of French Literature. (Lectures.)

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES :

*Mathematics*.—Differential and Integral Calculus.

*Chemistry*.—Continued.

*Ancient Languages*.—Latin; Greek.

*Comparative Philology*.

## SENIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES :

*Astronomy*.

*Philosophy*.—Hamilton's Metaphysics; (Recitations and Lectures.)

*History*.—Germany. Reading from French authors.

*English Literature*.—Shaw's Manual; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; (Recitations and Lectures.)

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES :

*Ancient Languages*.—Latin; Greek.

*Practical Chemistry*.

*Comparative Philology*.

## SECOND TERM.

## REQUIRED STUDIES :

*Ethics*.—(Recitations and Lectures.)

*Evidences of Natural and Revealed Religion*.

*Political Economy*.—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)

*History*.—Constitutional History of England; U. S. Constitution.—(Recitations and Lectures.) Read some French author.

*English Literature*.—Shaw; Taine; Readings; Lectures.

*Modern Languages*.—German.

*Physiology*.—Lectures.

*Themes; Original Declamations*.

#### ELECTIVE STUDIES:

*Ancient Languages*.—Latin; Greek.

*Practical Chemistry*.

*Comparative Philology*.

### EXAMINATIONS.

The instruction is by recitations and lectures, and the student's progress is tested by frequent and thorough written examinations.

### UNIVERSITY LECTURES.

A LECTURE ENDOWMENT FUND, amounting to twenty-seven thousand dollars (\$27,000), has recently been created by one of the early friends of the University, Mr. WILLIAM HENRY SMITH, now a resident of Alton, Ills. It is given without any restrictions, except that the fund shall be increased, if practicable, by accruing interest, to \$30,000, and that no part of the principal shall be expended. The income is to be used for the support of Lectures, with a view to the advancement of the interests of the University and the benefit of the public. The lectures will be free, so far as practicable, but an admission fee will be charged when circumstances require.

In accordance with the purposes of this fund, courses of lectures upon German and French Literature, Art in Education, Astronomy, Electricity, Mineralogy, and other suitable

subjects, are delivered every year, and will be announced from time to time.

Some of these lectures are given in the Hall of the University to the general public; others, which may be called "*Class-Room*" or "*Instruction Lectures*," are given in smaller rooms, or in the Laboratories, to classes limited in number according to the nature of the subject treated, and are designed to furnish to all persons, whether connected with the University or not, instruction similar to that given in the Class Room work of the College and Polytechnic school.

### THE IRVING UNION SOCIETY.

The "Irving Union" is a voluntary association of the students for the purpose of mutual improvement by debates and other exercises. The management is entirely in the hands of the students, so far as it does not conflict with the interests of the University, and all possible encouragement is given by the Faculty to its aims and endeavors. The following are the names of the officers of the Society for the First Term of the year 1876-77:

|                             |                 |
|-----------------------------|-----------------|
| <i>President</i> .....      | GEO. H. PEGRAM. |
| <i>Vice President</i> ..... | WM. S. EAMES.   |
| <i>Secretary</i> .....      | ED. C. ELIOT.   |

A paper called the IRVING UNION is published monthly under the auspices of the Society, devoted to its interests and those of the University. The following are the names of the editors and managers of the paper for the First Term of the year 1876-7:

|                               |                    |
|-------------------------------|--------------------|
| <i>Chief Editor</i> .....     | LYMAN W. ALLEN.    |
| <i>Business Manager</i> ..... | JOHN B. SHAPLEIGH. |

## LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor.

## GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic School and the professors has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises. A competent instructor gives regular training to the classes.

## SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College or the Polytechnic School. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them with students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by the payment of \$5,000, and entitling the holder to all the advantages of all the Departments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

A Trust Fund of \$30,000 has been accepted by the University, from the WESTERN SANITARY COMMISSION, for the establish-

ment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic School, to be filled by children of descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening School, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference is given to those in straitened circumstances, *and no student is accepted or continued who is not of good moral character, who does not sustain satisfactory examinations, or who fails to comply with the rules of the Institution.*

From the same source a SUSTENTATION FUND of \$10,000 has been accepted, the income from which is expended for the aid of students in straitened circumstances, giving preference always to the descendants of Union soldiers, as above.

### DEGREES.

The degree of Bachelor of Arts is granted to those students who complete the full course of study; but no diploma is granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

### VACATIONS.

There is a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calendar, page 3.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the Institution.

## TUITION.

A matriculation fee of five dollars is charged, payable in advance.

The tuition in the College, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

N. B. For tuition in Polytechnic School to graduates of the College, see page 14.

IV.---O'FALLON POLYTECHNIC INSTITUTE,  
OR  
POLYTECHNIC SCHOOL.

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FACULTY.

---

WM. G. ELIOT, D. D., *Chancellor.*  
ABRAM LITTON, M. D.  
CALVIN M. WOODWARD, A. M., *Dean.*  
MARSHALL S. SNOW, A. M.  
WM. B. POTTER, A. M., E. M.  
DENHAM ARNOLD, A. M.  
CHARLES A. SMITH, C. E.  
JOHN H. JENKS, M. D.  
JAMES K. HOSMER, A. M.  
FRANCIS E. NIPHER, A. M.  
HALSEY C. IVES, *Artist.*  
J. K. REES, A. M., E. M.

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## STUDENTS.

## GRADUATES.

| NAMES.                              | CLASS.   | SUBJECTS.                                     |
|-------------------------------------|----------|-----------------------------------------------|
| Barron, S. A., E. M. ....           | 1876.... | Chemistry.                                    |
| Conzelman, W. E., A. B., E. M. .... | 1876..   | { Chemistry.<br>Quaternions.                  |
| Holman, John O., C. E. ....         | 1875.... |                                               |
| Holman, M. L., C. E. ....           | 1874..   | { Engineering Construc-<br>tion, Quaternions. |

## SENIOR CLASS.

| NAMES.                      | RESIDENCE.          | ROOM                                 |
|-----------------------------|---------------------|--------------------------------------|
| Gibson, Victor R. (IV)*.... | St. Louis.....      | Lafayette av. and<br>Easton avenues. |
| Mueller, Gustav (I) .....   | St. Louis.....      | 1337 LaSalle st.                     |
| Pegram, George H. (I).....  | St. Louis.....      | 1321 Chouteau av.                    |
| Smith, Edgar T. (I).....    | Greenville, Ill.... | 2222 Clark av.                       |

## JUNIOR CLASS.

|                                  |                     |                   |
|----------------------------------|---------------------|-------------------|
| Block, Henry W. (IV).....        | St. Louis.....      | 1632 Warren st.   |
| Burnet, Henry L. (I).....        | Carondelet.....     | No. 5 Dormitory.  |
| Burr, Edward F. (IV).....        | St. Louis.....      | 3412 Morgan st.   |
| Countryman, T. R. (IV)....       | Hastings, Minn.     | 2731 Eugenia st.  |
| Glasgow, Allan C., A. B. (I).... | St. Louis.....      | 3015 Sheridan av. |
| Westernmann, Edw'd H. (I)....    | Belleville, Ill.... | Belleville.       |

## SOPHOMORE CLASS.

|                            |                 |                  |
|----------------------------|-----------------|------------------|
| Aufderhelde, Benj. F. .... | St. Louis.....  | 922 N. 14th st.  |
| Breckhuridge, Wm. Lewis... | Alton, Ill..... | Alton.           |
| Buehner, Philip.....       | St. Louis.....  | 2413 N. 13th st. |

\*The Roman numerals after the names indicate the Courses of Study pursued by the Student, according to the arrangement on Page 69.

| NAMES.                   | RESIDENCE.           | ROOM.             |
|--------------------------|----------------------|-------------------|
| Chauvenet, Wm. Marc..... | St. Louis.....       | 2703 Lucas av.    |
| Kellogg, Clinton D.....  | Caledonia, Minn..... | 413 N. 8th st.    |
| McKee, David.....        | Leavenw'th, Ks.....  | 214 Mullanphy st. |
| Melcher, Charles W.....  | St. Louis.....       | 826 S. 14th st.   |
| Miller, Thomas D.....    | Paris, Mo.....       | 2631 Locust st.   |
| Newington, Harry M.....  | St. Louis.....       | 1321 Pine street. |
| Perry, Lewis.....        | St. Louis.....       | 3407 Was'gton av. |
| Wilson, Richard N.....   | St. Louis.....       | 1009 Garrison av. |

## FRESHMAN CLASS.

|                           |                      |                    |
|---------------------------|----------------------|--------------------|
| Abend, Alexander E.....   | Belleville, Ill...   | Belleville.        |
| Andrews, Lewis P.....     | Carondelet.....      | Carondelet.        |
| Block, Wm. A.....         | St. Louis.....       | 1632 Warren st.    |
| Buddee, Albert L.....     | Quincy, Ills.....    | 2334 Olive st.     |
| Comstock, Wm. O., Jr..... | Greenfi'd, Mass..... | 3418 Lucas av.     |
| Feickert, Julius.....     | Belleville, Ills...  | Belleville.        |
| Gregory, Clay.....        | St. Louis.....       | 1108 Locust st.    |
| Irwin, Myra.....          | Sigourney, Ia....    | 1120 N. Jeff'n av. |
| Nicholson, Frank.....     | Kansas City....      | 3104 Cass avenue.  |
| Primm, Lewis J. C.....    | Belleville, Ill...   | Belleville.        |
| Roberson, Thomas A.....   | Arcadia.....         | 928 Hickory st.    |
| Rosenheim, Alfred F.....  | St. Louis.....       | 3042 Locust st.    |
| Todd, Eliot.....          | St. Louis.....       | 1404 Olive street  |

## STUDENTS\* NOT CANDIDATES FOR A DEGREE.

|                                  |                |                   |
|----------------------------------|----------------|-------------------|
| Engler, Edm'd A., A.B. (VI)..... | St. Louis..... | 1515 Jackson st.  |
| Graham, Frank (III).....         | St. Louis..... | 2615 Pine street. |
| Klipstein, Theodore (III)....    | St. Louis..... | 1700 Franklin av. |

\* In addition to the Students whose names are here given, a large number of persons have received instruction in Physics, Painting, Drawing (both Free-hand and Mechanical) and Descriptive Geometry, in some instances in connection with the regular classes. It is impossible at present to give a full list of these names, and a partial list is omitted as likely to convey a false impression. The number of such persons is about one hundred and fifty.

## SUMMARY.

|                                  |    |
|----------------------------------|----|
| Graduates .....                  | 4  |
| Seniors.....                     | 4  |
| Juniors.....                     | 6  |
| Sophomores .....                 | 11 |
| Freshmen.....                    | 13 |
| Not Candidates for a Degree..... | 3  |
| Total.....                       | 41 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:

1. English Composition, including the use of Language, Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject. *A reasonable knowledge of composition will be held essential to the privilege of further examination.*

2. Physical and Modern Political Geography.

3. American History, up to the close of the war of 1812. White's Landmarks of English History, or an equivalent.

4. Human Anatomy and Physiology.

5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.

6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.

7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions).

8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first fifty pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves, if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's

"Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."

9. Natural Philosophy, as much as is contained in the first half of Well's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."

10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.

11. Latin. The student must be able to construe a passage from the Latin Reader or from Caesar.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see calendar); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy. (See page 29.)

The Faculty of the Polytechnic School have adopted the plan of a

#### DIVIDED EXAMINATION.

in accordance with which students who propose to enter the Freshman Class in the summer of 1878, may present themselves in June or September, 1877, for examination on the studies in which they are then proficient: provided, they are prepared to be examined on not less than four of the topics named in the conditions of Examination. A record of such examinations, will be kept, and when the same students present themselves the next year they will be credited with the work done at the first examination. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

The examination for admission will occupy two days.

The subjects for examination the first day will be, English Composition, Physical Geography, Arithmetic, History and Algebra.

On the second day the subjects will be, Geometry, Physiology, Natural Philosophy, German, French, or Latin, and Drawing.

## COURSES OF STUDY.

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The regular courses of study and instruction in this school extend through four years, and are generally intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of these advantages for professional study will actually become professional men. On the contrary, it is fair to expect that less than one-half of the professional graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded.

The best discipline is often secured through the agency of professional studies. Every such study has a practical bearing, and in a student's mind is invested with a strong sense of responsibility. Hence springs an idea of moral and physical obligation to be faithful and thorough. The noblest fruit of education is this sense of responsibility and accountability. With its acquisition the youth becomes a man, the "unwilling school-boy" enters upon what he feels to be a preparation for the serious work of his life.

The special merit of an "office" education,—*i. e.* the training to be gained in a lawyer's, a doctor's or an engineer's office, in the counting-room, or in a factory—is due to the fact that there the student deals with the problems of real and not ideal life. The obvious importance of every step in a process stamps it ineffaceably upon the mind. To a certain extent this is true of professional studies in a Polytechnic School.

On the other hand, our students are free from the cramping narrowness which is the characteristic demerit of a business training. At school, the professional student is led to the study of the finest examples of professional theory and practice, both in the present and past ages, with the greatest possible range of subjects. The growth of mind under such cultivation is almost infinite compared with that to be gained from the utmost familiarity with the petty details of a single ordinary office.

It is for these reasons that students looking forward to a non-professional, business life are often advised to follow some congenial course of professional study.

However, to meet the wants of those who desire a better knowledge of Physics, the Natural Sciences (so-called) and Modern Literature than is afforded in any one of the professional courses, a course of study in "SCIENCE AND LITERATURE" has been adopted, and, by authority of the Board of Directors, is now for the first time published. Its satisfactory completion will entitle a student to the Degree of "Bachelor of Philosophy." Its requirements are thought to be fully up to those of the professional courses; this shows that though anxious to offer every inducement and facility for advanced education, the Faculty of the School believe in maintaining its high standard of scholarship and attainment.

Among other novel features of the new course of study will be noticed an excellent opportunity for the systematic study and practice of Art and Design. It is believed that the course in "Science and Literature" will be found suited to the wants of young women as well as young men.

The courses are six in number, viz :

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.
- VI. A COURSE IN SCIENCE AND LITERATURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common to several.

Special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows :

## FRESHMAN CLASS.

### FIRST TERM.

*Mathematics*.—Geometry [Chauvenet's] completed.

*Physics*.—Natural Philosophy.

*German*.—Grammar and Reader.

*History*.—Civil Government; United States Constitution.

*Free-Hand Drawing*.

*Mechanical Drawing*.—From Flats and Models. Use of Scales, Tracing, and Construction of Plates, Lettering, etc.

*English*.—Declamation and Composition; Rhetoric.

*Drawing* (Study of Design) may be taken in place of *Shop-Work*.

*Shop-Work*.—Use of the Plane, Saw and Chisel; Construction of Trusses and Frames.

### SECOND TERM.

*Mathematics*.—Higher Algebra.

*Physics*.—[Ganot's] Pneumatics, Heat, Acoustics.

*French*.—Otto's Grammar; French Prose.

*Free-Hand Drawing*.—Continued as First Term.

*Descriptive Geometry*.—Orthographic Projections, Problems of Points, Lines and Planes; Warped Surfaces, etc.

*History*.—England.

*English*.—Declamation and Composition; Shakspeare.

*Shop-Work*.—As First Term.

*Field-Work*.—As assistants to JUNIOR CLASS in *Surveying*.

## SOPHOMORE CLASS.

## FIRST TERM.

*Mathematics*.—Plane and Spherical Trigonometry (Chauvenet's).

*Physics*.—(Ganot continued.) Optics, Electricity, Magnetism, and Meteorology; Laboratory Practice.

*Descriptive Geometry*.—Tangency. Intersection of Surfaces; Construction of Paper and Zinc Models.

*Theoretical Chemistry*.—Roscoe's, with Lectures.

*Practical Chemistry*.—Eliot and Storer's Manual.

*Free-Hand Drawing*.—Machinery, Casts, etc.

*Mechanical Drawing*.—Line and Brush Shading.

*English*.—Histoire de France, par G. Ducoudray. (Written and Oral Translation.)

*Shop Work*.—Turning of Wood and Metals; Screw Cutting; Construction of Models.

## SECOND TERM.

*Mathematics*.—Analytical Geometry.

*Surveying*.—Chain and Compass Surveying; Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

*Descriptive Geometry*.—Spherical and Isometric Projections; Shades and Shadows; Perspective.

*Practical Chemistry*.—Qualitative Analysis.

*Mineralogy and Geology*.—Lectures.

*Free-Hand and Mechanical Drawing*.—Machinery and Architecture; Original designs.

*Physics*.—Laboratory Practice.

*Shop Work*.—Continued.

## I.—COURSE IN CIVIL ENGINEERING.

## JUNIOR CLASS.

## FIRST TERM.

*Mathematics*.—Differential Calculus (Peck's).

*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.

*Civil Engineering*.—Railway Curves, Turnouts, etc., (Henck's Field Book); Estimation of Volumes of Earth and Stone Work.

*Shop Work*.—Forge Work: Practical Stone Cutting; Construction of Arches, etc., in Plaster.

*Geology*.—Dana's Manual; Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Drawing*.—Models, Arches, etc.; Shading.

*Ethics*.—Recitations and Lectures.

## SECOND TERM.

*Mathematics*.—Integral Calculus; Analytic Mechanics.

*Civil Engineering*.—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Framework, and Cords of Equilibrium. (Rankine's Manual.)

*Masonry*.—Practical stone cutting.

*Drawing*.—Machines, Profiles, Bridges, etc.

*English*.—Modern Literature.

*Shop Work*.—Strength of Materials and of Frames.

## SENIOR CLASS.

## FIRST TERM.

*Civil Engineering*.—Rankine's Manual of Civil Engineering supplemented by lectures following Baker, Bell, Winkler and Maxwell; and the use of Graphical Statics.

*Mechanics.*—Rankine's Applied Mechanics. Selections from Weisbach's Mechanics of Engineering.

*Laboratory Practice.*—Construction of Trusses and Ribs for Bridges and Roofs.

*Drawing.*—Of Constructions from Actual Measurement.

*Astronomy.*—White's Elements.

*English.*—Themes.

#### SECOND TERM.

*Civil Engineering.*—Structures of Wood, Stone and Iron; Designing, Computing and Estimating Cost of the parts of Bridges, Roofs, etc.

*Mechanics.*—Statics, Cinematics, Principles of Mechanism, Dynamics.

*Laboratory Practice.*—Testing Strength of Structures; Photography.

*Drawing.*—Designs of Structures.

*Political Economy.*—Bowen, Rogers. Mill, Carey; (Recitations and Lectures.)

*Practical Astronomy.*—Use of Instruments; Determination of Time, Latitude and Longitude.

*English.*—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

### JUNIOR YEAR.

#### FIRST TERM.

*Mathematics.*—Differential Calculus (Peck's).

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery.

*Machinery.*—Cinematics; Principles of Mechanism.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Shop-Work.*—Forge Work; Testing Strength of Wood and Iron; Machine Work; Practical Stone Cutting; Construction of Arches, etc.; Work in the Machine Shop.

*Drawing*.—Machinery and Models.

*Ethics*.—Recitations and Lectures.

#### SECOND TERM.

*Mathematics*.—Integral Calculus; Analytic Mechanics.

*Machinery*.—Mechanism of Transmission; Gearing; Willis's and Fairbairn's Treatises.

*Drawing*.—Machine Drawing, continued.

*English*.—Modern Literature.

*Shop-Work*.—Continued.

#### SENIOR YEAR.

##### FIRST TERM.

*Machinery*.—Study of Different Machines; Strength of Materials.

*Mechanics*.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)

*Drawing*.—Of Working Machinery.

*Astronomy*.—White's Elements.

*English*.—Descriptions of Structures, etc.

*Shop-Work*.—Machine Work; Construction of Toothed Wheels.

##### SECOND TERM.

*Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines.

*Mechanics*.—Theoretic Study of the Prime Movers; Water-wheels and Engines; Stress, Cinematics; Theory of Mechanism; Dynamics.

*Drawing*.—Designs of Machines.

*Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English*.—Graduation Thesis.

## III.—COURSE IN CHEMISTRY.

## JUNIOR YEAR.

*Theoretical and Organic Chemistry.*—Lectures.

*Qualitative Analysis.*—Fresenius, Gallaway, Elliot and Storer, and Bunsen.

*Quantitative Analysis.*—Fresenius.

*Mineralogy.*—Blowpipe Analysis and Determination of Species.

*Geology.*—Dana's with Lectures.

*Laboratory Practice.*—From four to six hours daily.

## SENIOR YEAR.

*Chemistry, Analytical and Applied.*—Daily instruction in the Laboratory. Actual Chemical Work, embracing Pharmaceutical Preparations for the Laboratory and Apothecary; Methods of Determining the Value of Drugs; Assays on Ores of Lead, Silver, Gold, Zinc, Antimony, Copper, Nickel, Cobalt, etc.; Examination and Analysis of Metals, Soils, and Ashes; Examination of Poisons, Uses and Value of Manures.

*Political Economy.*—Bowen, Mill, Rogers, Carey, Recitation and Lectures.

*Preparation of Thesis for Degree of Chemist.*

## IV.—COURSE IN MINING AND METALLURGY.

## JUNIOR YEAR.

*Mathematics.*—Differential and Integral Calculus.

*Descriptive Geometry.*—Applications to Masonry and Machinery.

*Engineering.*—Lectures on Statics of Frames and Trusses; Strength of Materials, Beams, Girders, and Columns; Applications to Buildings and other structures; Hydrostatics and Hydrodynamics.

*Chemistry*.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

*Geology*.—Lithological, Cosmical, Physiographic, Historic and Dynamic.

*Mineralogy*.—Blowpipe Examination of Minerals.

*Mining*.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation; Hoisting Engines, Cages, Cars, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead and Zinc Mines.

*Metallurgy*.—General Metallurgy—Classification of Processes; Furnaces; Modes of Construction; Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, etc.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys, Fans, Blowing Engines, etc.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, etc.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, etc.; Hot Blast Stoves; Lifts, etc.

Manufacture of Wrought Iron—Bloomeries, Forges, Rolling Mills, etc.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works, Forges, Rolling Mills, Foundries, etc.

*Assaying*.—Lectures and Laboratory Practice; Examination of Fuels and Refractory Materials.

*Drawing*.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces; Apparatus and Machinery of Smelting Works, etc.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

## SENIOR YEAR.

*Mining*.—Ventilation, Natural and Artificial; Measurement of Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, etc.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Jigging Machines. etc.; Washing and Dressing of Coal, etc.

General Management of Mines, etc.

*Engineering*.—Prime Movers; Study of Water-wheels and Turbines; Steam Engines and Boilers, (Bourne's Hand Book of the Steam Engine.)

*Chemistry*.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.

*Assaying*.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

*Economic Geology*.—Occurrence and Distribution of Ores; Iron, Lead, Copper, etc.; Character, Uses and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, etc.

*Metallurgy*.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxide.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

*Blowpipe Analysis*.—Quantitative; Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, etc.

*Mechanics*.—Rankine's Applied Mechanics.

*Drawing*.—Machines, Furnaces, Mines, etc.

- Projects*.—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.
- 

## V.—COURSE IN BUILDING AND ARCHITECTURE.

### JUNIOR YEAR.

- Architectural Designs*.—The Elements of Design; the Principles of Composition; Examination of Architectural Works.
- Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, etc.
- Mathematics*.—Differential and Integral Calculus.
- Physics*.—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.
- Geology*.—Dana's Manual; Lectures.
- Practical Chemistry*.—Qualitative Analysis.
- Drawing*.—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.
- English*.—Composition; Descriptions of Prominent Buildings, etc.

### SENIOR YEAR.

- Architecture*.—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.
- Engineering*.—Stability of Structures; Stress; Strength and Stiffness of Girders, Pillars, etc.; Foundations, Walls, Roofs; Building Materials.
- Mechanics*.—Principles of Statics; Rankine's Applied Mechanics.
- Shop-Work*.—Practice in Testing Materials, Ventilation, Warming etc.; Modeling in Plaster and Wood; Framing in Wood and Iron.
- Drawing*.—Designing Architectural Ornaments; Architecture; Landscape; Designs for Particular Structures; Drawing from Memory.
- Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)
- English*.—Graduation Thesis.

## VI.—COURSE IN SCIENCE AND LITERATURE.

## JUNIOR YEAR.

## FIRST TERM.

*Mathematics*.—Differential Calculus.

*Rhetoric*.—Recitations and Lectures; Study of Anglo-Saxon and Old English.

*Geology*.—Manual and Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Physics*.—Lectures and Laboratory Practice; Kohlrausch's Physical Measurements.

## ELECTIVES.

Students must elect one subject from each of the following groups:

- |   |   |                                                                                           |
|---|---|-------------------------------------------------------------------------------------------|
| a | { | <i>Descriptive Geometry</i> .—And its Applications.                                       |
|   |   | <i>Botany</i> .—Lectures, Recitations and Field Work.                                     |
|   |   | <i>Blowpipe Analysis</i> .—Examination of Minerals.                                       |
| b | { | <i>Mechanical Drawing</i> .—Machine Drawing; Brush Shading.                               |
|   |   | <i>Free Drawing</i> .—Sketching from Nature; Use of India Ink and Sepia; Study of Design. |

## SECOND TERM.

*Mathematics*.—Integral Calculus and Its Applications.

*Physics*.—Continued as first term.

*Logic*.—Jevons's Logic.

## ELECTIVES.

Students will elect two of the following subjects:

*Mechanical Drawing*.

*Artistic Design*.

*Practical Chemistry*.

*French; German*.

## SENIOR YEAR.

## FIRST TERM.

*Mechanics*.—Rankine's Applied Mechanics; Recitations and Lectures.

*Astronomy*.—White's Elements.

*English Literature*.—Shaw's Manual; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; Recitations and Lectures.

## ELECTIVES.

Students will elect two of the following subjects:

*Physics*.—Continuation of Study, and Laboratory work.

*Metaphysics*.—Hamilton; Recitations and Lectures.

*Design*.—Drawing, Painting and Art study.

*Practical Chemistry*.—Quantitative Analysis.

*Natural History*.

## SECOND TERM.

*Mechanics*.—Continued.

*Political Economy*.—Bowen, Rogers, Mill, Carey; Recitations and Lectures.

*English Literature*.—Continuation of first term's work.

*Physiology*. Lectures.

*Thesis*. For Graduation and Degree.

## ELECTIVES.

Same subjects as the first term of this year.

## ACCOMMODATIONS.

It is thought that ample accommodations exist for 200 students in this Department of the University. Each building is fitted up in the most substantial manner, and new appliances and facilities are procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

## CIVIL AND MECHANICAL ENGINEERING.

The School is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., hang upon the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine and a large number of the more unusual combinations of machinery.

The elegant "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. By actual experiment they learn the strength of wood, iron, steel, stone, brick, etc.

The instruction in all branches is given from text-books when practicable, supplemented by lectures and practical work. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science. Special prominence is given to the use of "graphical methods," which are now so usefully supplementing the processes of computation.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners, and business men in general, both professors and students have generally had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling-mills, furnaces, and manufactories of all kinds. These visits and expeditions have always proved to be of great value, the tendency of such a combination of study and observation being to train not mere theorists, but practical, far-seeing business men.

## THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic School, organized in September 1871, has been in full operation during the last five years. Its object has been to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of, and reports on, mines and manufacturing establishments.

## THE COLLECTIONS.

containing over TEN THOUSAND SPECIMENS, embrace models of crystals, and specimens illustrating the various minerals and rocks and their associations; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will, in time, be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores, they are likely to meet with in the field and the various products in metallurgical operations.

## THE ASSAY LABORATORIES

are kept in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc.; also volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

## CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis: the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

## VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

## CHEMICAL LABORATORY.

The chemical building contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

## PHYSICAL LABORATORY WORK.

As a feature in education, is becoming a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully-written reports of all the work done.

The aim in this part of the instruction is, not to give the student information about Physics, but to give him an insight into the methods and means used in physical investigation.

During the past year many additions have been made to the apparatus. A few of the most important are the following:

[a] A Silbermann Hellostat, costing about two hundred dollars.

[b] A battery of 100 jars, each 8 inches in diameter; Meidinger form of "gravity" cup. The greater part of this battery was made at the University, and cost in the neighborhood of one hundred and fifty dollars.

[c]\* A Thomson quadrant electrometer.

[d]\* Two large helices of No. 8 wire with hollow iron core.

[e]\* One magnetometer with bifilar suspension.

[f]\* C. J. Woodward's wave apparatus. (Phil. Mag. March 1876.)

[g.]\* A Lecture galvanometer.

[h]\* Thomson's water-dropping electro-machine.

For the use of students there is a

#### WORKSHOP

containing lathes for turning wood, brass and iron; several work benches, and a large set of carpenter's and modeling tools, a gear-cutter, a small forge, and a complete outfit for machinist's tools. During the past year the students of each class have worked systematically in the shop under the direction of the professors, assisted by a skillful carpenter and a pattern maker. The general method of conducting this work is as follows: A sketch of the piece or task to be constructed is given a class with all needed dimensions. Each student then makes a careful drawing of it to some convenient scale with details and exact measurements. The class then goes to the shop, is furnished with the requisite materials and tools, and each member is shown by an expert how to execute the work. Every piece made must be reasonably perfect or it is rejected and a new one required. Although the students work in the shop no more than four hours per week, the experience is valuable. It is not supposed of course that skilled workmen can be produced by this method, but it is certain that such training will make better judges of workmanship.

#### SCHOOL OF ART AND DESIGN.

This department is under the immediate charge and supervision of Prof. Halsey C. Ives, assisted by Mr. Carl Guthertz and other competent teachers. Experience in teaching, familiarity with the best methods in use at home and abroad, and personal skill in the use of the drawing-pen, pencil and brush, entitle them to confidence and support.

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\*These pieces of apparatus were made at the University.

In addition to the regular classes of academic and engineering students, special classes for ladies and gentlemen have been formed. Ample room has been devoted to this department of work, and the Drawing Rooms contain full collections of casts and models.

Every possible advantage is afforded persons wishing to pursue a Course of Study in this department. The Studio and Drawing Hall are open at all times. Students wishing to spend their entire time in Art work will find everything required at their disposal.

During the past year more than sixty persons, aside from the regular Polytechnic classes, have received instruction in this department of work.

The Course of Study consists of Free Hand and Mechanical Drawing, Elements of Design, applied to the Industrial Arts, and Oil or Water Color Painting.

Special arrangements may be made with Teachers or Professional Art Students as to rates and time of lessons.

### EXAMINATIONS AND THESES.

The Examinations in the Polytechnic School are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty to parents or guardians, if such are requested.

Every applicant for a degree, besides passing satisfactorily all his examinations, must present a Thesis—an original essay, review, or investigation—upon some subject, professional or otherwise, connected with the course of study he has followed. The Thesis must be accompanied with all necessary general and detailed drawings. All such Theses and drawings are left in charge of the University.

The object of requiring a Thesis is mainly to secure evidence of the student's fitness to receive a degree; consequently a high standard of excellence is rigidly adhered to. Incidentally

the Theses furnish much valuable information to be used at the University by professional students, graduates, and all engaged in professional work.

### DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Philosophy."

### TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

### DISCIPLINE.

The School is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentleman, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but cases of persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

### BOARD AND LODGING.

Students living at a distance from the University have no difficulty in securing Rooms and Board at reasonable rates. Students wishing accommodations, and housekeepers wishing boarders, are requested to communicate with the Dean.

## EXPENSES.

The minimum expenses of maintaining a student in this school one year is about as follows:

|                                              |                 |
|----------------------------------------------|-----------------|
| Tuition.....                                 | \$100 00        |
| Rent of Room.....                            | 20 00           |
| Board, Fuel and Washing, at \$5 per week.... | 200 00          |
| Books, Instruments, etc.....                 | 30 00           |
| Total.....                                   | <u>\$350 00</u> |

## SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships," "Sustentation Fund," and of other Scholarships on pages 60 and 61.

## LECTURES, LITERARY SOCIETIES, LIBRARY, AND GYMNASIUM.

(For information on these points, see pages 58, 59 and 60.)



**DAILY PROGRAMME OF EXERCISES IN THE POLYTECHNIC SCHOOL.**  
**SECOND TERM, 1873-77.**

| CLASS                  | Hour  | MONDAY.            | Tuesday.           | WEDNESDAY.                     | THURSDAY.           | FRIDAY.               |
|------------------------|-------|--------------------|--------------------|--------------------------------|---------------------|-----------------------|
| SENIOR.<br>Civil Eng.  | 9-10  | Civil Engineering. | Civil Engineering. | Civil Engineering.             | Civil Engineering.  | Civil Engineering.    |
|                        | 10-11 | Political Economy  | Political Economy  | Political Economy              | Themes.....         | Political Economy     |
|                        | 11-12 | Applied Mechanics  | Applied Mechanics  | Drawing.....                   | Applied Mechanics   | Applied Mechanics     |
|                        | 12-1  | Physiology.        | .....              | Drawing.....                   | Shop-work.....      | Drawing.....          |
|                        | 1-2   | .....              | .....              | .....                          | ".....              | Drawing.....          |
|                        | 2-4   | .....              | .....              | .....                          | .....               | .....                 |
| SENIOR.<br>Mining Eng. | 9-10  | Mining.....        | Mining.....        | Metallurgical Lab.             | Mining.....         | Metallurgical Lab.    |
|                        | 10-11 | Metallurgy.....    | Engineering.....   | Engineering.....               | Themes.....         | Engineering.....      |
|                        | 11-12 | Applied Mechanics  | Applied Mechanics  | .....                          | Applied Mechanics   | Applied Mechanics     |
|                        | 12-1  | Physiology.....    | Metallurgical Lab. | { Economic Ge-<br>ology..... } | Metallurgy.....     | Drawing.....          |
|                        | 1-2   | .....              | .....              | Drawing.....                   | .....               | Drawing.....          |
|                        | 2-5   | .....              | Assaying.....      | Pract. Chemistry               | Assaying.....       | Pract. Chemistry..... |
| JUNIOR.<br>Civil Eng.  | 9-10  | Calculus.....      | Calculus.....      | Masonry.....                   | Calculus.....       | Masonry.....          |
|                        | 10-11 | .....              | Masonry.....       | Eng. Literature.               | .....               | Eng. Literature.....  |
|                        | 11-12 | Civil Engineering. | Shop-work.....     | Civil Engineering              | Civil Engineering   | Civil Engineering     |
|                        | 12-1  | Drawing.....       | ".....             | .....                          | Physical Lab'y..... | Drawing.....          |
|                        | 1-2   | Drawing.....       | ".....             | Drawing.....                   | Drawing.....        | Drawing.....          |
|                        | 2-4   | .....              | .....              | .....                          | .....               | .....                 |

DAILY PROGRAMME—CONTINUED.

| CLASS.                 | Hour  | MONDAY.            | TUESDAY.               | WEDNESDAY.               | THURSDAY.              | FRIDAY.                  |
|------------------------|-------|--------------------|------------------------|--------------------------|------------------------|--------------------------|
| JUNIOR.<br>Mining Eng. | 9-10  | Calculus .....     | Calculus .....         | Masonry .....            | Calculus .....         | Masonry .....            |
|                        | 10-11 | Engineering .....  | Masonry .....          | English Literature ..... | Engineering .....      | English Literature ..... |
|                        | 11-12 | Geology. ....      | Economic Geology ..... | Metallurgy .....         | Economic Geology ..... | Metallurgy .....         |
|                        | 12-1  | Drawing .....      | Metallurgy .....       | Blow-piping .....        | Blow-piping. ....      | Drawing .....            |
|                        | 1-2   | Drawing .....      | Assaying .....         | Pract Chemistry .....    | Assaying .....         | Drawing .....            |
| SOPHOMORE              | 2-5   | .....              | .....                  | .....                    | .....                  | Pract. Chemistry.        |
|                        | 9-10  | } Physical Lab'y   | { Pract Chemistry      | Mineralogy & Geol        | Pract. Chemistry {     | Mineralogy & Geol.       |
|                        | 10-11 |                    |                        |                          |                        |                          |
|                        | 11-12 | Chemistry .....    | Drawing .....          | Gymnastics .....         | .....                  | Gymnastics .....         |
|                        | 12-1  | An. Geometry ..... | An. Geometry. ...      | An Geometry .....        | An. Geometry ...       | Surveying .....          |
| FRESHMAN.              | 1-2   | Descrip. Geometry  | Surveying .....        | Descrip. Geometry        | Surveying .....        | Descrip. Geometry        |
|                        | 2-4   | .....              | .....                  | Shop Work .....          | .....                  | Shop Work .....          |
|                        | 9-10  | .....              | Physics .....          | Physics .....            | Physics .....          | Physics .....            |
|                        | 10-11 | Algebra .....      | Algebra .....          | Descrip. Geometry        | Algebra .....          | Descrip. Geometry        |
|                        | 11-12 | History .....      | Gymnastics .....       | .....                    | Gymnastics .....       | History .....            |
|                        | 12-1  | .....              | Drawing .....          | Drawing .....            | Drawing .....          | .....                    |
|                        | 1-2   | French .....       | French .....           | French .....             | French .....           | Elocution. ....          |
|                        | 2-4   | .....              | Shop Work .....        | .....                    | Shop Work .....        | .....                    |



## ELEMENTARY SCHOOL

OF THE

O'FALLON POLYTECHNIC INSTITUTE.

In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1868 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute. The time may probably soon come when a complete scientific education in the University can be freely offered to all students who shall first have obtained certificates of proficiency in this elementary school, and when free admission to the college classes can be given to all graduates of the St. Louis High School. To accomplish this, and thereby to make Washington University practically a part of the great American public school system, nothing is requisite except the endowments, which alone can make such arrangements possible.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventh streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University, and, as a school of pure and applied science, will eventually cover the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000. for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis, and is entirely gratuitous.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis; effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose, and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a

closer connection with the educational needs of the times. The title of the Polytechnic Building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization: and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

THE AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

# EVENING SCHOOL

AT THE

POLYTECHNIC BUILDING,

*Cor. Seventh and Chestnut Sts.*

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## TEACHERS.

---

W. D. BUTLER, *Principal.*

J. W. HALL, *Assistant.*

R. J. DELANO, *Assistant.*

J. A. YOUNG, *Assistant.*

BEN BLEWETT, *Assistant.*

GRACE C. BIBB, *Assistant.*

CHAS. O. CURTMAN, *Lecturer on Chemistry and Physics.*

## STUDENTS.

## NAMES.

Abbott, William C.  
 Alervel, Henry W.  
 Amann, Gideon  
 Anderson Samuel  
 Andrews, Addie  
 Appel, Charles  
 Atkinson, Robert  
 Bade, Fred.  
 Baldwin, Edward S.  
 Barrett, John  
 Beard, Edward J.  
 Beck, Edward  
 Behring, William F.  
 Bell, Rosa  
 Bittmann, Charles W.  
 Blackford, A. S.  
 Blessing, John H.  
 Bock, John  
 Bolander, J. C.  
 Bray, William E.  
 Brinkmann, Edward  
 Brinkman, Theo.  
 Brockstedt, Henry M.  
 Brook, Joseph C.  
 Brunswick, Benjamin  
 Budde, August  
 Burns, Walter J.  
 Byrne, Edward F.  
 Byrne, D. A.  
 Christian, Leo S.  
 Cook, W. A.  
 Conner, W. R.  
 Castello, James

## NAMES.

Cowlshan, Richard C.  
 Coy, Fred.  
 Curran, John  
 Dang, Arnold  
 Davis, John L.  
 Dennis, George H.  
 Dinkelmann, Christ.  
 Dockery, John J.  
 Dockery, James J.  
 Dodge, Harrie  
 Donohue, Matthew  
 Dower, John  
 Dozier, Henri  
 Duffy, James M.  
 Duggan, John  
 Dunn, Thomas  
 Eisfelder, Charles  
 Ellis, Alonzo  
 Emmerson, David  
 Engel, Edward  
 Fandi, John  
 Fansek, Anton  
 Feagan, P. H.  
 Finan, Thomas  
 Fish, Edwin S.  
 Fish, Albert G.  
 Fisher, Charles B.  
 Fishwick, Frank  
 Foster, George  
 Foster, Robert  
 Frederick, John J.  
 French, James  
 Gallaher, Charles

## NAMES.

Garnett, William K.  
 Germer, Charles A.  
 Geyer, Fred.  
 Goerner, Hugo  
 Goessmann, Chas. A.  
 Hager, William  
 Hagerty, Michael  
 Hall, Arthur J.  
 Handley, Edwin R.  
 Hanpeter, Edward  
 Harstick, Fred. W.  
 Heckelman, Otto F.  
 Hecker, William  
 Heintz, Emil  
 Herman, Charles  
 Higdon, John B.  
 Hildreth, Henry W.  
 Hill, Charles  
 Hoefer, Oscar F.  
 Hoefer, Richard W.  
 Hoebyle, George  
 Holdsworth, John W.  
 Holt, Frank  
 Humpseh, Oswald  
 Hurst, Stephen  
 Jacot, Henry A.  
 Johnson, Robert  
 Jolly, Augustus  
 Jones, Samuel  
 Kaiser, Rudolph J.  
 Kane, John F.  
 Kaufman, Nathan  
 Keenoy, Richard  
 Kehoe, Mollie  
 Kerr, Andrew  
 Kettenbach, Henry  
 Kingsley, Charles  
 Klein, T. J.  
 Kleinschmidt, Edwin E.

## NAMES.

Knapp, William  
 Knoch, Ulrich  
 Kotsrean, Frank  
 Krausnick, S. K.  
 Kremer, Henry  
 Krieg, Henry  
 Kuenneke, August  
 Kuhn, Fred  
 Kuhnert, J. L.  
 Lafayon, Charles  
 Lawless, Sylvester  
 Lefferty, William  
 Leedom, Henry  
 Lehman, Joseph  
 Leon, Julius  
 Lenth, F. C.  
 Linden, Edward F.  
 McCabe, Vincent  
 McCartney, Alexander  
 McGrath, Matthew  
 McGinnis, Thomas  
 McLeod, George  
 McManey, Lawrence  
 Magee, S. Elna  
 Magner Patrick J.  
 Maher, John B.  
 Malony, James  
 Mangun, John  
 Marlon, Frank E.  
 Mattison, Wilbor A.  
 Meimann, Anton  
 Mellen, William S.  
 Mersman, Arthur  
 Meyer, William  
 Michiner, Horace  
 Miltzer, Charles  
 Millan, James  
 Moeckel, Louis  
 Morgenthaler, Charles N.

# POLYTECHNIC SCHOOL.

## NAMES.

Myers, Philip  
 Neusel, Alexander R.  
 Nolte, Albert  
 Nolte, John H.  
 O'Grady, Joseph  
 O'Halleron, Edmund  
 O'Niell, Eugene J.  
 Osborn, Abraham  
 Ottmer, Florenz  
 Owens, John P.  
 Pfaff, Justus  
 Quinlan, Joseph B.  
 Quinlan, Dan.  
 Raines, Henry C.  
 Redemeyer, William H.  
 Reitler, Charles  
 Reity, Louis C.  
 Renish, Edward A.  
 Reps, Louis  
 Reps, William  
 Reuter, John H.  
 Rhines, R. L.  
 Robison, George  
 Roessel, Oscar H.  
 Roessel, Eugene  
 Rosey, Emile  
 Roth, Edward B.  
 Rourke, John O.  
 Runder, William J.  
 Rutledge, Robert  
 Ryan, J. O'Neil  
 Saenger, Ahie  
 St. Clair, John M.  
 Schmeiding, W. H.  
 Schmidt, Adolph  
 Sehnurmacher, Joseph  
 Schoenhard, Albert  
 Seudder, William M.

## NAMES.

Seever, William  
 Seguenot, Paul  
 Sehle, Charles  
 Smith, Charles H.  
 Smith, Sigrid  
 Solomon, Ernst  
 Sorg, Edward  
 Spiekermann, B. E.  
 Stamps, P.  
 Steele, Edward  
 Stewart, A. K.  
 Stewart, William J.  
 Stork, Julius C.  
 Strader, John  
 Stueck, George  
 Stupp, George  
 Tesson, Charles  
 Tolkacz, Emil N.  
 Torbit, Nathaniel  
 Towson, W. E.  
 Treseher, Fredrick  
 Tuck, Charles N.  
 Turner, William S.  
 Umbach, Paul  
 Vaz, Joseph A.  
 Webster, Winchester  
 Welsh, Michael  
 Wenger, George  
 Wenzlick, Albert  
 Werz, Fred  
 Werz, Charles  
 Whalen, William  
 Whittle, Frank  
 Wilmers, Albert  
 Wilson, George  
 Winkler, Julius  
 Yeckel, Jacob  
 Zimlick, Ed. J.

Total, 220

## THE COURSE OF STUDY

in the Evening School includes the following subjects: Higher Arithmetic, Algebra, Geometry, Book Keeping, English Grammar, Physics, Line Drawing, Chemistry and Descriptive Geometry. These have actually been taught, and others are contemplated whenever any sufficient number of pupils desire them.

## THE TERM

has been fixed by the Board for five months, or eighty evenings; sessions lastings from 7 to 9 o'clock, and held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day-time, who can pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

# V.-LAW SCHOOL.

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## FACULTY.

---

WM. G. ELIOT, D.D., *Chancellor.*

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### PROFESSORS AND LECTURERS.

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, LL.D., *Provost of Law School.*

HON. ALBERT TODD.

HON. SAMUEL REBER, late Judge St. Louis Circuit Court.

HON. JOHN M. KRUM, late Judge St. Louis Circuit Court.

HON. GEORGE A. MADILL, late Judge of St. Louis Circuit Court.

HON. CHESTER H. KRUM, late Judge of St. Louis Circuit Court.

ALEXANDER MARTIN, A.M.

GEORGE M. STEWART, A.M., *Dean of Law Faculty.*

## ADVISORY AND EXAMINING BOARD.

HON. SAMUEL F. MILLER, Justice of the U. S. Supreme Court, *President*.

HON. JOHN F. DILLON, U. S. Circuit Judge.

HON. WM. B. NAPTON, Justice of Supreme Court of Missouri.

HON. DAVID WAGNER, late Justice of Supreme Court of Missouri.

HON. J. D. S. DRYDEN, late Justice of Supreme Court of Missouri.

HON. E. A. LEWIS, Presiding Judge of St. Louis Court of Appeals.

HON. R. A. BAKEWELL, Judge of St. Louis Court of Appeals.

HON. JAMES J. LINDLEY, Judge of St. Louis Circuit Court.

HON. JOHN WICKHAM, Judge of St. Louis Circuit Court.

HON. AMOS W. THAYER, Judge of St. Louis Circuit Court.

HON. HORATIO M. JONES, late Judge of St. Louis Circuit Court.

HON. R. E. ROMBAUER, late Judge of St. Louis Circuit Court.

HON. G. A. FINKELNBURG.      SAM'L T. GLOVER, Esq.

HON. EDWARD C. KEHR.      JOHN R. SHEPLEY, Esq.

JAS. O. BROADHEAD, Esq.      GEORGE W. CLINE, Esq.

ARBA N. CRANE, Esq.      LEVERETT BELL, Esq.

JAMES TAUSSIG, Esq.

## STUDENTS.

## SENIOR CLASS.

| NAMES.                   | RESIDENCE.         |                    |
|--------------------------|--------------------|--------------------|
| Allen, Chas. C.....      | St. Louis.....     | 2635 Washing'n av. |
| Bantz, Gideon D.....     | St. Louis.....     | 2325 Olive st.     |
| Bowles, Samuel A.....    | St. Louis.....     |                    |
| Chamberlain, A. W.....   | St. Louis.....     | 1428 Olive st.     |
| Chauvenet, Louis.....    | St. Louis.....     | 2703 Lucas av.     |
| Chouteau, Azby A.....    | St. Louis.....     | 3556 Lindell av.   |
| Coste, Paul F.....       | St. Louis.....     | 1004 St. Ange av.  |
| Davis, Ernest.....       | St. Louis.....     | 2726 Gamble av.    |
| Forster, Geo. M.....     | St. Louis.....     |                    |
| Hall, R. S.....          | St. Louis.....     | 3003 Easton av.    |
| Healy, Michael F.....    | St. Louis.....     | 206 Center st.     |
| Lindley, Edward P.....   | St. Louis.....     | Benton Place.      |
| Maginn, Jas. P.....      | St. Louis.....     | 1415 Webster av.   |
| Mayfield, Manning.....   | St. Louis.....     | 2926 Sheridan av.  |
| Price, Andrew.....       | St. Louis.....     |                    |
| Rex, Benj. F.....        | St. Louis.....     | 708 Jefferson av.  |
| Richmond, Lorenzo.....   | St. Louis.....     | 3028 Chestnut st.  |
| Ruoff, Wm. L.....        | Belleville, Ill..  |                    |
| Stillwell, Robt. T.....  | St. Louis.....     | 1428 Olive st.     |
| Stone, E. F.....         | Weston, Mo...      |                    |
| Teasdale, Wm. B.....     | Potosi, Mo....     |                    |
| Werner, Wm. F.....       | St. Louis.....     | 2925 Dickson st.   |
| Woodson, Archelaus M.... | Camden Point, Mo., | 2730 Lucas av.     |
|                          |                    | Total, 23.         |

## JUNIOR CLASS.

|                           |                     |                         |
|---------------------------|---------------------|-------------------------|
| Appleton, Geo. H.....     | St. Louis.....      | St. Louis.              |
| Arnstein, Albert J.....   | St. Louis.....      | 2615 Morgan st.         |
| Balfour, Jefferson D..... | Marshall Co., Miss. |                         |
| Blair, James L.....       | St. Louis.....      | 2737 Chestnut st.       |
| Block, Geo. M.....        | St. Louis.....      | 3112 Morgan st.         |
| Brodie, Geo. A.....       | Plum Bayon,         |                         |
|                           |                     | Ark.....1122 Locust st. |
| Buck, Horace R.....       | St. Louis.....      | St. Louis.              |

| NAMES.                    | RESIDENCE.                                |
|---------------------------|-------------------------------------------|
| Coggeshall, Carol H.....  | St. Louis.....1407 N. 17th st.            |
| Coleord, F. W.....        | St. Louis.....2800 Morgan st.             |
| Coleman, Robert J.....    | St. Louis.....521 Olive st.               |
| Cook, F. E.....           | St. Louis.....1005 Cardinal av.           |
| Crenshaw, Walter.....     | Springfield,<br>Mo.....1728 Washing'n av. |
| Davis, Albert C.....      | Cheltenham, Mo.                           |
| Davis, Henry B.....       | Cheltenham, Mo.                           |
| Farrar, W. C.....         | St. Louis.....2733 Chestnut st.           |
| Finkelnburg, W. A.....    | St. Louis.....1117 Dolman st.             |
| Fritsch, Felix A.....     | St. Louis.....Autumn, st., N. W.          |
| Gilliam, Geo. T.....      | Kirkwood, Mo. [Cor. Ninth.                |
| Guthrie, O. D.....        | Weston, Mo...                             |
| Hawken, Jacob G.....      | Kirkwood, Mo.                             |
| Hay, John.....            | Belleville, Ill..                         |
| Hogan, Thomas S.....      | St. Louis.....1216 N. Sixth st.           |
| Hornsby, Jos. S.....      | Carondelet, Mo.                           |
| Houston, Samuel.....      | St. Louis.....1554 Gratiot st.            |
| Inslee, Jno. A.....       | St. Louis.....                            |
| Jaekson, Wayman C.....    | Fayetteville, Ark.                        |
| Jeeko, Steven H.....      | St. Louis.....Barnum's Hotel.             |
| Jeffries, Wm. R.....      | Gray's Summit, Mo.                        |
| Lane, Geo. B.....         | St. Louis.....                            |
| Le Bourgeois, J. C.....   | St. James Parish, La. 2927 Pine st.       |
| McDowel, Edward L.....    | St. Louis.....704 S. Fifth st.            |
| Matson, Jno. W.....       | Louisiana, Mo. 1428 Olive st.             |
| Meals, Geo. W.....        | Greencastle, Mo., 1717 St. Charles        |
| Pendleton, Russell G..... | Hermitage, Mo.                            |
| Pipkin, Merrill.....      | St. Louis.....2737 Chestnut st.           |
| Pope Benjamin.....        | DuQuoin, Iowa.                            |
| Rogers, Louis B.....      | Solomon City, Kan.                        |
| Rueppeler, Herman.....    | St. Louis.....                            |
| Ryan, Lewis C.....        | Paris, Tex.....1122 Locust st.            |
| Schuurmaeher, Benj.....   | St. Louis.....1314 S. Fifth st.           |
| Sherman, G. E.....        | St. Louis.....2633 Locust st.             |
| Sherman, T. E.....        | St. Louis.....912 Garrison av.            |
| Staley, Robt. W.....      | St. Louis.....                            |
| Vallette, Chas. A.....    | St. Louis.....2023 Eugenia st.            |
|                           | Total, 44.                                |

The Law School of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue, and Bankrupt Law, besides causes at common Law and in Equity; also the State, Circuit and Criminal Courts, and the St. Louis Court of Appeals; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of nine years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law School is enabled to present, give promise of still greater efficiency in the future.

### COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standard of admission to the bar, for the practice of the profession. It embraces instruction in the principles of *Constitutional* and *Admiralty* Law, the Jurisdiction and Practice of United States Courts, *Real Property* Law, (including a special course of lectures on Conveyancing), *Equity Jurisprudence*, *Evidence*, *Pleading* and *Practice* (at Common Law, in Equity, and under the Code) *Mercantile Law and Contracts*, Corporations, *Insurance*, Domestic Relations, *Torts*, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of

legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 3,000 volumes, selected with great care, and including nearly two hundred extra copies of the text-books in use. The spacious and convenient Library Room, assigned for the Law School in the University building, is reserved for their exclusive occupation, and is open to students throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, beginning on the second Wednesday in October, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

## SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class; candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free scholarships in the Law School should apply to the Provost or Dean on or before the 15th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.

2. That the applicant is of good character and standing.

The applicant must have a good English education, and the certificate of Professor SNOW, of the College, to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

Competition for the prize referred to is confined to the members of the graduating class in each year, under regulations announced at the opening of the term.

## TEXT-BOOKS, TERMS OF ADMISSION, ETC.

The following text-books will be used by the Junior Class during 1877-'78:

Blackstone's Commentaries (Sharswood). Books, I, II, III; Wharton's Conflict of Laws. Benedict's Admiralty. Bispham's Principles of Equity. Washburn on Real Property, vol. I; Stephens (or Gould) on Pleading. Greenleaf on Evidence. Metcalf on Contracts. Story on Bills. Addison on Torts (abr.)

Applicants for admission to the Senior Class of 1877-'78, will be required to pass a satisfactory examination on the foregoing

works before the beginning of the term, and should apply in person, before the first week in October, to the Provost or Dean.

The Senior Class will use the following:—Phillips' Insurance, Conkling's Treatise, Story's Equity Pleadings, Washburn on Real Property, Chitty's Pleading, Vol. 1; Greenleaf on Evidence, Tidd's Practice (Troubat's edition—selections), Benjamin on Sales, Story on Promissory Notes, Story on Bailments.

Applicants for admission to the Junior Class *must be at least nineteen years of age*, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess. *No reduction will be made from the term fee, nor any part of it returned, for absence from any cause. Class tickets are in no case transferable.*

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, *nor to any person under twenty-one years of age.*

#### TUITION.

The term fee for attendance in either class will be \$50, payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

## SUMMARY.

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## LIST OF GRADUATES.

---

### GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the year named. Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (\*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON.  
CHARLES BRANCH, A.M.,  
HENRY BRANCH, A.M.,  
REGIS CHAUVENET, A.M.,  
THOMAS LAMB ELIOT, A.M.

1863.

\*JOHN PIERRE COLLIER. Dec. 31, 1876.  
JOHN TILDEN DAVIS,  
WILLIAM RHIND DONALDSON,  
HENRY WARE ELIOT,  
OSCAR WILLIAM GAUSS,  
NATHANIEL GRAY SMITH HART,  
CHESTER HARDING KRUM,  
THOMAS KEITH SKINKER.  
\*JAMES STATT'S WATERS. Feb. 28, 1869.

1864.

GEORGE WEBBER CUTTER, A.M.,  
CHARLES EDWARD ILLSLEY, A.M.,  
JOHN HERAN KERCHEVAL,  
JOHN GEORGE DAVID KNIGHT, A.M.,  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE,  
FREDERICK JULIUS CASTLEHUN, A.M.,  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER. July 15, 1868.  
CHARLES FLETCHER HAZARD,  
JOSEPH NORWOOD LITTON,  
CHARLES ALONZO TODD, A.M.

1867.

HUGH CAMPBELL, JR.,  
ALEXANDER GILL DONALDSON,  
GEORGE JULIUS ENGELMANN, A.M.

1868.

LEWIS JACOB BLOCK, A.M.,  
FREDERICK MORGAN CRUNDEN, A.M.,  
HARVEY HALE DELANO,  
SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP,  
CHARLES MANNING LITTON,  
FRANK CHARLTON STONE.

1870.

EDWARD EVERS.  
DAVID ROWLAND FRANCIS.  
DAVID GOLDSMITH.  
GEORGE WASHINGTON TAUSSIG.  
LOUIS WILLIAM TEUTERBERG.  
FRED. AUGUSTUS WISLIZENUS.

1871.

GEORGE WILSON BELCHER,  
SAMUEL HEMPLE CHAUVENET.  
JOHN WILLIAM HOUGH,  
HENRY WILLIAM THIELE, A.M.

1872.

ELIOT CONWAY JEWETT.  
LYNE SHACKLEFORD METCALFE, JR.,  
WILLIAM FRANCIS PATRICK,  
MARTIN HAYWOOD POST,  
ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN,  
WILLIAM SAMUEL CURTIS,  
JOHN WEBSTER SPARGO.

1874.

ED. MONROE BOWMAN.  
AZBY AUGUSTUS CHOUTEAU.  
FRED. ERNEST D'OENCH,  
FRED. BERTHOLD EWING,  
\*LUTHER KENNETT FARRAR. Oct. 9, 1874.  
WILLIAM RIDG SCHUYLER,  
GEORGE LINCOLN STEVENS.

1875.

WILLIAM ELIOT CONZELMAN.  
PAUL FELIX COSTE,  
ALLEN CUTHBERT GLASGOW.  
FRANK ADAMS GLASGOW.

1876.

GEORGE MOREY BARTLETT.  
BEN BLEWETT,  
CHRISTOPHER RHODES ELIOT.  
EDMUND ARTHUR ENGLER,  
WILLIAM CHRISTY FARRAR,  
ADA CALISTA FISHER.  
MARY JOSEPHINE RYCHLICKI.  
ALBERT ERASTUS SANDERSON.

## GRADUATES IN POLYTECHNIC SCHOOL

1866.

EDWARD SINGLETON HOLDEN, B.S.

1867.

REGIS CHAUVENET, A.B., B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 8871,  
EUGENE HENRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.,  
RUDOLPH RITTER, C.E.,  
ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.,  
RUFUS JUDAH DELANO, C.E.,  
ALBERT FRED. D'OENCH, E.M.

1873.

ROBERT ABELES, C.E.,  
ADOLPHUS LOVINGSTON, C.E.,  
HUBERT TAUSSIG, C.E.

1874.

WINTHROP BARTLETT, C.E.,  
HENRY W. DOUGLASS, C.E.,  
MINARD L. HOLMAN, C.E.,  
FRANK HOTCHKISS, C.E.,  
ELIOT CONWAY JEWETT, A.B., C.E.,  
WILLIAM FRANCIS PATRICK, A.B., E.M.

1875.

GEORGE DARRAH BROOKE, C.E.,  
GEORGE BURNET, Jr., C.E.,  
MICHAEL FRANCIS HEALY, B.S.,  
JOHN O. HOLMAN, C.E.,  
JAMES D. MCKEE, C.E.,  
CHARLES M. MORSE, E.M.

1876.

SAMUEL ALEXANDER BARRON, E.M.,  
WILLIAM ELIOT CONSELMAN, A.B., E.M.,  
JACOB FRIEDMAN, CHEMIST,  
HERMAN MEISTER, E.M.,  
VICTOR C. ROEDER, B.S.

---

## GRADUATES IN LAW.

1869.

M. DWIGHT COLLIER,  
DANIEL DILLON,  
JAMES S. GARLAND,  
WILLIAM E. HALL,  
JOHN H. NICHOLSON,  
JOHN H. PLAYER,  
GIFFORD S. ROBINSON,  
CHARLES H. SEE,  
PHILIP SUTHERLIN,  
PETER J. TAAFE,  
JOSEPH T. TATUM,

1870.

EDWIN F. BAYLEY,  
LEWIS E. BEACH,  
NATHANIEL C. DRYDEN,  
EDWARD P. McCARTY,  
WILLIAM F. MARSH,  
OTTO W. MYSENBERG,  
RICHARD H. NORTON,  
ALFRED A. PANTON,  
WILLIAM T. RICHMOND.

1871.

PHEBE W. COUZINS,  
ALEX. N. DEMENIL,  
SILAS W. DOOLEY,  
HENRY C. HART, JR.,

HENRY C. HOGG,  
WM. T. HOUSTON,  
FRED. N. JUDSON,  
WM. C. KUEFFEN,  
FOSTER T. MARTIN,  
DAVID MURPHY,  
WILLARD A. SMITH,  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH,  
HENRY L. D'ARCY,  
DAVID GOLDSMITH,  
JOHN J. McCANN,  
JOHN L. MAXWELL,  
HENRY E. MILLS,  
CHARLES NAGEL,  
ALBERT NIGGEMAN,  
HENRY O'GORMAN,  
THOMAS J. ROWE,  
LEANDER J. SMITH,  
MICHAEL J. SULLIVAN,  
GEORGE W. TAUSSIG,  
EUGENE C. TITTMAN,  
FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE,  
IRENEUS D. FOULON,  
BENJAMIN F. HEDGES,  
J. LINN LADD,  
MICHAEL J. MURPHY,  
JOHN F. O'ROURKE,  
BARNETT W. PRESCOTT,  
CHARLES G. SINGLETON,  
CHARLES E. STARR,  
CHARLES F. W. DASSLER,  
EDWARD L. GOTTSCHALK,  
THEODORE HUNT,

## WASHINGTON UNIVERSITY,

HUGO MUENCH,  
 SIMON OBERMEYER,  
 JAMES M. PEARSON,  
 HENRY CLAY RILEY,  
 WILLIAM C. SMITH,  
 HENRY M. TALLMAN,

1874.

AMBROSE D. COUNTRYMAN,  
 JOHN D. DAVIS,  
 FRANK HICKS,  
 CHRISTIAN KOERNER,  
 F. L. LINTON,  
 J. B. McHOSE,  
 CHARLES NEWMAN,  
 JOHN J. NOELL,  
 FRANK W. PEEBLES.

1875.

B. F. CLARK,  
 WILL. F. EDGAR,  
 FRANK F. ESPENCHIED,  
 FRANKLIN B. FERRIS,  
 R. M. FOSTER,  
 J. HAYWARD,  
 A. D. JAMESON,  
 E. C. McDOWELL,  
 WM. L. MURFREE, Jr.,  
 A. H. PARKER,  
 JAMES S. REBER,  
 JOHN C. RICHARDSON,  
 OTIS W. SCARBOROUGH,  
 G. A. SCHUTTE,  
 C. M. SWITZER,  
 W. H. WARNOCK,  
 JEAN F. WEBB,

1876.

WILLIAM BELL BAILEY,  
 WM. LEBRECHT BEYERSDORF,

EDWARD MONROE BOWMAN,  
ZENO BLANKS CLARDY,  
FREDERICK ADDISON CLINE,  
JOHN RAYMOND CUMMINGS,  
WILLIAM SAMUEL CURTIS,  
JAMES PARISH DAWSON,  
WIRT WHEELER ELLIS,  
HENRY DODGE ESTBROOK,  
FRANK FIELD,  
CHARLES JOSEPH HARRIS,  
MERRIFIELD WILLIAM HUFF,  
JOHN WILLIAM McELHENNY,  
DANA MANSFIELD,  
THOMAS ALOYSIUS RICE,  
WILLIAM LOYD STEWART,  
LOUIS REUBEN TATUM,  
JAY LINN TORREY,

---

HONORARY GRADUATES.

1859.

NATHAN D. TIRRELL, A.M.

1862.

JOHN E. SINCLAIR, A.M.

1866.

THOMAS METCALF, A.M.



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WASHINGTON UNIVERSITY.

1877-'78.



A CATALOGUE  
OF THE  
OFFICERS AND STUDENTS  
IN THE SEVERAL DEPARTMENTS OF  
**Washington University,**  
WITH THE  
COURSES OF STUDY  
FOR THE  
ACADEMIC YEAR 1877-78.

SAINT LOUIS:  
C. R. BARNES, PRINTER, 215 PINE STREET,  
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ACADEMIC YEAR 1877-78.

---

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C. R. BARNES, PRINTER, 215 PINE STREET,  
1877.

| 1878  | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. | 1878  | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. |
|-------|------|------|-------|------|-------|------|------|-------|------|------|-------|------|-------|------|------|
| JAN.. | ...  | ...  | 1     | 2    | 3     | 4    | 5    | JULY  | ...  | 1    | 2     | 3    | 4     | 5    | 6    |
|       | 6    | 7    | 8     | 9    | 10    | 11   | 12   |       | 7    | 8    | 9     | 10   | 11    | 12   | 13   |
|       | 13   | 14   | 15    | 16   | 17    | 18   | 19   |       | 14   | 15   | 16    | 17   | 18    | 19   | 20   |
|       | 20   | 21   | 22    | 23   | 24    | 25   | 26   |       | 21   | 22   | 23    | 24   | 25    | 26   | 27   |
|       | 27   | 28   | 29    | 30   | 31    | ...  | ...  |       | 28   | 29   | 30    | 31   | ...   | ...  | ...  |
| FEB.. | ...  | ...  | ...   | ...  | ...   | 1    | 2    | AUG.. | ...  | ...  | ...   | ...  | 1     | 2    | 3    |
|       | 3    | 4    | 5     | 6    | 7     | 8    | 9    |       | 4    | 5    | 6     | 7    | 8     | 9    | 10   |
|       | 10   | 11   | 12    | 13   | 14    | 15   | 16   |       | 11   | 12   | 13    | 14   | 15    | 16   | 17   |
|       | 17   | 18   | 19    | 20   | 21    | 22   | 23   |       | 18   | 19   | 20    | 21   | 22    | 23   | 24   |
|       | 24   | 25   | 26    | 27   | 28    | ...  | ...  |       | 25   | 26   | 27    | 28   | 29    | 30   | 31   |
| MAR.  | ...  | ...  | ...   | ...  | ...   | 1    | 2    | SEPT  | ...  | ...  | ...   | ...  | ...   | ...  | ...  |
|       | 3    | 4    | 5     | 6    | 7     | 8    | 9    |       | 1    | 2    | 3     | 4    | 5     | 6    | 7    |
|       | 10   | 11   | 12    | 13   | 14    | 15   | 16   |       | 8    | 9    | 10    | 11   | 12    | 13   | 14   |
|       | 17   | 18   | 19    | 20   | 21    | 22   | 23   |       | 15   | 16   | 17    | 18   | 19    | 20   | 21   |
|       | 24   | 25   | 26    | 27   | 28    | 29   | 30   |       | 22   | 23   | 24    | 25   | 26    | 27   | 28   |
|       | 31   | ...  | ...   | ...  | ...   | ...  | ...  |       | 29   | 30   | ...   | ...  | ...   | ...  | ...  |
| APR.  | ...  | 1    | 2     | 3    | 4     | 5    | 6    | OCT.. | ...  | ...  | 1     | 2    | 3     | 4    | 5    |
|       | 7    | 8    | 9     | 10   | 11    | 12   | 13   |       | 6    | 7    | 8     | 9    | 10    | 11   | 12   |
|       | 14   | 15   | 16    | 17   | 18    | 19   | 20   |       | 13   | 14   | 15    | 16   | 17    | 18   | 19   |
|       | 21   | 22   | 23    | 24   | 25    | 26   | 27   |       | 20   | 21   | 22    | 23   | 24    | 25   | 26   |
|       | 28   | 29   | 30    | ...  | ...   | ...  | ...  |       | 27   | 28   | 29    | 30   | 31    | ...  | ...  |
| MAY.  | ...  | ...  | ...   | 1    | 2     | 3    | 4    | Nov.. | ...  | ...  | ...   | ...  | ...   | 1    | 2    |
|       | 5    | 6    | 7     | 8    | 9     | 10   | 11   |       | 3    | 4    | 5     | 6    | 7     | 8    | 9    |
|       | 12   | 13   | 14    | 15   | 16    | 17   | 18   |       | 10   | 11   | 12    | 13   | 14    | 15   | 16   |
|       | 19   | 20   | 21    | 22   | 23    | 24   | 25   |       | 17   | 18   | 19    | 20   | 21    | 22   | 23   |
|       | 26   | 27   | 28    | 29   | 30    | 31   | ...  |       | 24   | 25   | 26    | 27   | 28    | 29   | 30   |
| JUNE  | ...  | ...  | ...   | ...  | ...   | ...  | 1    | DEC.. | ...  | ...  | ...   | ...  | ...   | ...  | ...  |
|       | 2    | 3    | 4     | 5    | 6     | 7    | 8    |       | 1    | 2    | 3     | 4    | 5     | 6    | 7    |
|       | 9    | 10   | 11    | 12   | 13    | 14   | 15   |       | 8    | 9    | 10    | 11   | 12    | 13   | 14   |
|       | 16   | 17   | 18    | 19   | 20    | 21   | 22   |       | 15   | 16   | 17    | 18   | 19    | 20   | 21   |
|       | 23   | 24   | 25    | 26   | 27    | 28   | 29   |       | 22   | 23   | 24    | 25   | 26    | 27   | 28   |
|       | 30   | ...  | ...   | ...  | ...   | ...  | ...  |       | 29   | 30   | 31    | ...  | ...   | ...  | ...  |

# UNIVERSITY CALENDAR.

1877-78.

---

EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Wednesday, September 12, 1877.

FIRST TERM begins Thursday, September 13.

LAW SCHOOL opens Wednesday, October 10.

HOLIDAY, THANKSGIVING DAY, Thursday, November 9.

WINTER VACATION, December 22, 1877, to January 1, 1878.  
inclusive.

SEMI-ANNUAL EXAMINATION, January 21-25.

SECOND TERM begins January 28.

JUNIOR EXHIBITION, Thursday, February 21.

HOLIDAY, Friday, February 22, Washington's Birthday.

IRVING UNION EXHIBITION, Thursday, May 9.

HOLIDAY, Friday, May 10.

LAW COMMENCEMENT, Monday, May 13.

ANNUAL EXAMINATION, June 5-12.

EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Monday and Tuesday June 10-11.

COMMENCEMENT, Thursday, June 13.

SUMMER VACATION, June 13 to September 12.

1878-79.

EXAMINATION FOR ADMISSION to the College and the Polytechnic School, Wednesday, September 11, 1878.

FIRST TERM begins Thursday, September 12.

LAW SCHOOL opens Wednesday, October 9.

HOLIDAY, THANKSGIVING DAY, ————.

WINTER VACATION, December 24, 1879, to January 1, 1879,  
inclusive.

SEMI-ANNUAL EXAMINATION, January 20-24.

SECOND TERM begins Monday, January 27.

# CORPORATION.

---

PRESIDENT:

WILLIAM G. ELIOT.

VICE-PRESIDENT:

WAYMAN CROW.

SECRETARY AND TREASURER:

SETH A. RANLETT.

DIRECTORS:

WILLIAM G. ELIOT,  
WAYMAN CROW,  
JOHN M. KRUM,  
JAMES SMITH,  
SETH A. RANLETT,  
GEORGE PARTRIDGE.  
JOHN R. SHEPLEY,  
ALBERT TODD,

HENRY HITCHCOCK.  
JAMES E. YEATMAN,  
SAMUEL TREAT,  
CARLOS S. GREELEY,  
ROBERT CAMPBELL,  
JOHN T. DAVIS.  
GEORGE E. LEIGHTON,  
EDWIN HARRISON.

HENRY W. ELIOT.

# OFFICERS

## OF

### GOVERNMENT AND INSTRUCTION.

---

|                                                                                                                                        | RESIDENCE.          |
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| WM. G. ELIOT, D. D. <i>Chancellor, and<br/>Tileston Professor of Political Economy,</i>                                                | 2660 Washington av. |
| ABRAM LITTON, M. D., <i>Eliot Professor<br/>of Chemistry.....</i>                                                                      | 2220 Eugenia st.    |
| CALVIN S. PENNELL, A.M., <i>Bridge Pro-<br/>fessor of Intellectual and Moral Philosophy,<br/>and Principal of Mary Institute,.....</i> | 1600 Pine st.       |
| SYLVESTER WATERHOUSE, A. M.,<br><i>Collier Professor of Greek.....</i>                                                                 | 1823 Lucas av.      |
| HENRY HITCHCOCK, LL. D., <i>Professor<br/>of Real Prop. Law, and Provost of the Law<br/>School, .....</i>                              | 1507 Lucas Place.   |
| SAMUEL TREAT, A. M., <i>President of the<br/>Law Faculty.....</i>                                                                      | 1114 Pine st.       |
| ALBERT TODD, A. M., <i>Lecturer on the<br/>Law of Real Property as applied to Con-<br/>veyancing, .....</i>                            | Laclede Hotel.      |
| ALEXANDER MARTIN, A. M., <i>Professor<br/>of International, Admiralty, Marine Insur-<br/>ance, and Maritime Law.....</i>               | 1810 Wash st.       |
| SAMUEL REBER, A.M., <i>Professor of His-<br/>tory and Science of Law, Constitutional<br/>Law, Torts, Equity and Successions,.....</i>  | 3012 Lucas avenue.  |
| JOHN M. KRUM, A.M., <i>Lecturer on Crim-<br/>inal Law,.....</i>                                                                        | 1107 Washington av. |

## RESIDENCE.

- GEORGE A. MADILL, A.M., *Professor of Real Property Law*,.....3119 Chestnut st.
- CALVIN M. WOODWARD, A.M., *Thayer Professor of Mathematics and Applied Mechanics, and Dean of Polytechnic School*,.....[Geyer aves. Cor. of Missouri and
- GEORGE E. JACKSON, A.M., *Professor of Latin*, .....3658 Washington av.
- MARSHALL S. SNOW, A.M., *Professor of History and Dean of the College*,.....2910 Pine st.
- GEORGE M. STEWART, A.M., *Professor of Mercantile Law and Contracts, and Dean of the Law Faculty*,.....Planters' House.
- WM. B. POTTER, A.M., E.M., *Allen Prof. of Mining and Metallurgy*,.....Wash. University.
- F. WILLIAM RAEDER, S.B., *Professor of Architecture*, .....3116 Delaware av.
- DENHAM ARNOLD., A.M., *Professor of Physics, and Principal of the Academy*,...2643 Washington av.
- CHARLES A. SMITH, C.E., *Professor of Civil and Mechanical Engineering*, .....1518 Lafayette av.
- CHESTER H. KRUM, A.B., *Professor of the Law of Pleading, Practice and Evidence, Corporations and Domestic Relations*,.....2732 Washington av.
- JOHN H. JENKS, M. D., *Professor of Physiology and Instructor in German*,....1418 O'Fallon st.
- JAMES K. HOSMER, Ph.D., *Professor of English and German Literature*,.....1728 Washington av.
- FRANCIS E. NIPHER, A. M., *Wayman Crow Professor of Physics*,.....3021 Thomas st.
- HALSEY C. IVES, *Professor of Drawing and Design*,.....1422 Olive st.
- JOHN K. REES, A.M., E.M., *Professor of Mathematics and Astronomy*,.....Lafay'te Park Hotel.
- HERMAN MEISTER, E. M., *Assistant in Dept. of Mining and Metallurgy*.....[& Penn. aves. Merimac. bet. Minn.
- CLINTON D. KELLOGG, *Instructor in Gymnastics and Shop-work*,.....

## UNIVERSITY PROFESSORS.

---

TRUMAN M. POST, D. D.,

*Professor of Ancient and Modern History.*

GEORGE T. ENGELMANN, M. D.,

*Professor of Botany and Natural History.*

JOHN T. HODGEN, M. D.,

*Professor of Anatomy and Physiology.*

WM. T. HARRIS, LL. D.

*Professor of Philosophy of Education.*

C. V. RILEY, PH. D.,

*Professor of Entomology.*

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“University Professors” have no regular duties imposed upon them, but will give lectures, either in the class-room or in University Hall, from time to time, as may be specifically arranged and announced.

## THE ACADEMY.

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|                                                                                             |                     |
|---------------------------------------------------------------------------------------------|---------------------|
| DENHAM ARNOLD, A.M., <i>Principal</i> ,...                                                  | 2643 Washington av. |
| JAMES A. LANIUS, <i>First Assistant</i> ....                                                | 724 Beaumont st.    |
| WM. S. CURTIS, A. B., <i>Second Assistant</i> ,.                                            | 3212 Sheridan av.   |
| ISAAC N. CUNDALL, A. M., <i>Teacher of</i><br><i>Third Class</i> ,.....                     | 2600 Stoddard st.   |
| CHARLES H. STONE, <i>Teacher of Fourth</i><br><i>Class</i> , .....                          | 1017 N. 16th st.    |
| HORACE A. BROWN, LL.B., <i>Teacher of</i><br><i>English Branches and Book-Keeping</i> ,.... | 2610 Stoddard st.   |
| ELI R. OFFUTT, <i>Teacher of Mathematics</i> ,.                                             | 3015 Thomas st.     |
| EDMUND A. ENGLER, A. B., <i>Teacher of</i><br><i>Fifth Class</i> ,.....                     | 1751 Missouri av.   |
| CHRISTOPHER R. ELIOT, A. B., <i>As-</i><br><i>stant</i> , .....                             | 2660 Washington av. |
| WALDEMAR MALMENE, M.B., <i>Cantab.</i><br><i>Teacher of Vocal Music</i> ,.....              | 1502 Olive st.      |
| JOHN R. SCOTT, A.M., <i>Teacher of Elocu-</i><br><i>tion</i> ,.....                         | 1500 Olive st.      |
| MRS. ANNA B. HILLMAN, <i>Teacher in</i><br><i>Preparatory Department</i> ,.....             | 2723 Wash st.       |
| MISS INEZ E. BORDEN, <i>Teacher in Pre-</i><br><i>paratory Department</i> ,.....            | 1802 Olive st.      |
| MISS AMANDA FORD, <i>Principal of Pri-</i><br><i>mary Department</i> ,.....                 | 1802 Olive st.      |
| MISS LIZZIE W. LEIGH, <i>Ass't Teacher</i><br><i>in Primary Department</i> ,.....           | 3501 Lindell av.    |

## MARY INSTITUTE.

|                                                                                  |                       |
|----------------------------------------------------------------------------------|-----------------------|
| CALVIN S. PENNELL, A.M., <i>Principal</i> .                                      | 1600 Pine street.     |
| Miss MARY S. WATKINS, <i>Instructor in Latin</i> .                               | 711 Locust street.    |
| Miss HENRIETTA SAWYER, <i>Principal of Preparatory Department</i> .              | 2839 Olive street.    |
| Miss MARGARET T. WALLACE, <i>Principal of Primary Department</i> .               | 2926 Laclede av.      |
| MRS. REBECCA M. HUNTINGTON, <i>Assistant in Primary Department</i> .             | 1230 Washington av.   |
| Miss FLORENCE K. HOLDEN, <i>Instructor in Penmanship and Book-Keeping</i> .      | 2626 Olive street.    |
| Miss SARAH E. COLE, <i>Instructor in Natural Sciences and Mathematics</i> .      | 2910 Pine street.     |
| Miss HELEN E. SWAIN, <i>Teacher of Natural Philosophy and English Branches</i> . | 2113 Walnut street.   |
| Miss ANNIE WALL, <i>Teacher of History and German</i> .                          | 2810 Locust street.   |
| Miss CAROLINE M. PEASE, <i>Teacher of English Branches</i> .                     | 2814 Locust street.   |
| MRS ANNIE L. McCARGO, <i>Teacher of English Branches</i> .                       | 2934 Laclede av.      |
| MADAME LOUISE GRANDJEAN, <i>Teacher of French</i> .                              | 1626 Dodier street.   |
| Miss HELEN E. SEAVEY, <i>Assistant in French, and Teacher of English</i> .       | 2346 Chestnut street. |
| Miss JOSEPHINE E. YEOMAN, <i>Teacher of Reading and Composition</i> .            | 1212 Grattan street.  |
| Miss SAIDEE DUNNICA, <i>Teacher of Gymnastics and English Branches</i> .         | 1609 Hickory street.  |
| Miss KATE J. BRAINERD, <i>Teacher of Vocal and Instrumental Music</i> .          | 2826 Washington av.   |

## RESIDENCE.

|                                                     |                       |
|-----------------------------------------------------|-----------------------|
| Miss SARAH M. MILLS, <i>Teacher of</i>              |                       |
| <i>Drawing</i> , .....                              | 1703 Olive street.    |
| Miss J. C. BRYANT, <i>Teacher of Elocution</i> , .. | 705 N. Nineteenth st. |
| Miss MARY J. RICHLICKE, <i>General As-</i>          |                       |
| <i>sistant</i> , .....                              | { King's Highway and  |
|                                                     | { Page avenue.        |

## GENERAL STATEMENT.

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WASHINGTON UNIVERSITY, founded in the city of St. Louis, under an Act of Incorporation by the State of Missouri, approved February 22, 1853, comprises several Departments, and is intended to embrace the whole range of University studies, except Theology, and to afford opportunity of complete preparation for every sphere of practical and scientific Life.

By the Eighth Article of the Constitution, "no instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of the University; and no sectarian or partisan test shall be used in the election of Professors, Teachers, or other officers of the University; nor shall any such test ever be used in the University for any purpose whatsoever. This Article shall be understood as the fundamental condition on which all endowments, of whatever kind, are received." The Constitution also declares the Article now quoted "not subject to alteration at any time;" but, to guard against all encroachments in this important particular, the Directors have obtained from the General Assembly an amendment to the Charter, by which said Article is incorporated in the same, and thereby placed beyond the power of any future Board of Directors. The Act of Amendment, approved February 12, 1857, declares:

"SEC. 2. No instruction, either sectarian in religion, or partisan in politics, shall be allowed in any Department of said University; and no sectarian or party test shall be allowed in the election of Professors, Teachers, or other officers of said University, or in the admission of scholars thereto, or for any purpose whatever.

"SEC. 3. It shall be the duty of the Board of Directors of said University, upon being informed of any violation of the second section of this Act, forthwith to institute an inquiry into

the charge or charges that may be preferred, in respect thereof, by any credible person, in writing, against any officer of said University; and if it shall appear that any officer of said University has violated the second section of this Act, the Board of Directors shall forthwith remove such person so offending from any office which he may then fill in any Department of said University; and such person so removed shall be forever thereafter ineligible to any office in said University."

"SEC. 4. In case the Board of Directors, upon being notified, in writing, by any credible person, of a violation of the second section of this Act, shall refuse or neglect to investigate the charges hereupon preferred against any officer of said University, it shall be competent for the St. Louis Circuit Court, or the St. Louis Court of Common Pleas, to compel the Board of Directors, by mandamus, to perform their duty in investigating such charge, and to show their performance of such duty to the satisfaction of the Court having cognizance of the matter; and all proceedings under this section shall be summary, and conducted to a conclusion with as little delay as possible; and the power hereby given to said Courts may be exercised by the judge of either of said tribunals in vacation."

The present members of the Corporation have no sectarian purposes to serve. They earnestly desire that the University shall attain a high moral and religious character, as a Christian institution in a Christian republic; but they equally desire that the narrow principles of sectarianism and party spirit may never be allowed to enter. The exercises of the University are opened every morning in the chapel by reading the Scripture and other appropriate service.

On the 22d of April, 1857, the Formal Inauguration of Washington University took place, by appropriate exercises, at Academic Hall, and by an oration, delivered by Hon. Edward Everett, in the Mercantile Library Hall. The Polytechnic School was organized at that time. The College was organized in 1859, and the first Senior Class was graduated in June, 1862. The Law School was organized in 1867.

The amount of funds needed for the establishment and proper endowment of a University is far greater than would be at first supposed. To secure the best talent, competent salaries must

be paid, and the best facilities for education, apparatus, library, buildings, etc., must also be supplied. At the same time, the rates of tuition must be kept down, so as to open the Institution to as large a number as possible, and free scholarships endowed for the benefit of deserving pupils who are in indigent circumstances. For these purposes a million dollars could be immediately and advantageously used without extravagance, and the attention of liberal and wealthy men is earnestly called to the subject. To show the principle on which endowments are invited, the fifth, sixth and seventh Articles of the Constitution are here inserted.

#### “ARTICLE V.

##### “ENDOWMENT OF PROFESSORSHIPS.

“Any person may endow, in whole or in part, a specified Professorship in the said University; and if, in the opinion of the Board of Directors, said endowment shall be sufficient for the perpetual support of said Professorship, said Professorship shall bear the name of its founder forever, unless at the time of the endowment he shall otherwise direct.

#### “ARTICLE VI.

##### “ENDOWMENT OF DEPARTMENTS.

“Any person may found, by an adequate endowment a specific Department in said University, provided the plan of its organization and its purposes are approved by the Board of Directors; and if said endowment shall, in the opinion of said Board, be sufficient for the perpetual support of said Department, it shall bear the name of the founder thereof forever, unless he shall otherwise direct at the time of endowing the same.”

#### “ARTICLE VII.

##### “SPECIFIC FUNDS.

“All funds and property, of whatever nature and description, contributed to the endowment or founding of a Professorship or Department, shall forever be faithfully applied to the specific purpose for which contributed, and to no other object whatso-

ever, without the written consent of the donor or founder thereof, or of his heirs or assigns, and also the written consent of two-thirds of the Directors first had and obtained; provided, however, that said funds and property in this article named shall never be diverted from the purposes of said University."

### THE BRIDGE ENDOWMENT.

In March, 1871, the University received from Hon. Hudson E. Bridge a gift of \$100,000 for the endowment of the Chancellorship and for a Library Fund; \$15,000 towards the erection of the Polytechnic Building, and \$15,000 for providing it with furniture and apparatus. In recognition of this liberality, the Board of Directors voted that the office of Chancellor should receive the title of "*The Bridge Chancellorship*."

### THE ALLEN PROFESSORSHIP OF MINING AND METALLURGY.

At the annual meeting of the Alumni, March 2, 1871, Hon. Thomas Allen offered the interest for five years, at 7 per cent., of the sum of \$40,000 for the purpose of endowing a chair of *Mining and Metallurgy*. His offer was gratefully accepted by the Board of Directors; and a complete "School of Mines" has been organized and is now in operation, with all advantages usually enjoyed.

### SMITH LECTURE FUND.

A Lecture Fund has been established, for account of which see p. 61 of Catalogue.

## ORGANIZATION.

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### WASHINGTON UNIVERSITY

#### COMPREHENDS:

- I.—THE ACADEMY.
- II.—MARY INSTITUTE.
- III.—THE COLLEGE.
- IV.—THE POLYTECHNIC SCHOOL.
- V.—THE LAW SCHOOL.

The first is essentially a Preparatory School, fitting students for the higher departments. Students entering the Polytechnic School and the Law School are not required to be college graduates, but they are recommended to secure, as fully as possible, the benefits of a college course before entering either professional school. Graduates of colleges of good standing will be received into the Junior class of the Polytechnic School without examination.

At a meeting of the Board of Directors of the University, held in November, 1874, the following resolutions were adopted:

*Resolved*, On recommendation of the Faculty, and with a view to the promotion of the best interests of learning and science, and for the encouragement of young men to obtain a complete education before entering upon a professional career,

1—That the graduates of the College of the University shall have *free admission* to the classes of the Polytechnic School, either as regular or partial students, subject to the rules and regulations of the same.

2—That the graduates of the Polytechnic School shall have *free admission* to the College classes, either as regular or partial students, subject to the rules and regulations of the same.

The following resolution was also passed, embodying the principle already in practical operation, but not previously placed upon record :

“That the graduates of Mary Institute in full standing shall be entitled to *free admission* to the classes of the College or the Polytechnic School, either as regular or partial students, on examination, and subject to the rules and regulations of said departments: it being distinctly understood that a diploma shall not be given to any such student except on completion of the full course of study.”

# I.—THE ACADEMY.

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## FACULTY AND INSTRUCTORS.

---

WM. G. ELIOT, D.D.,

CHANCELLOR.

DENHAM ARNOLD, A.M.

PRINCIPAL.

SYLVESTER WATERHOUSE, A.M.

CALVIN M. WOODWARD, A.M.

GEORGE E. JACKSON, A.M.

MARSHALL S. SNOW, A.M.

JOHN H. JENKS, M.D.

JAMES K. HOSMER, Ph.D.

HALSEY C. IVES.

JAMES A. LANIUS.

WM. S. CURTIS, A.B.

ISAAC N. CUNDALL, A.M.

CHARLES H. STONE.

HORACE A. BROWN, LL.B.

ELI R. OFFUTT.

EDMUND A. ENGLER, A.B.

CHRISTOPHER R. ELIOT, A.B.

WALDEMAR MALMENE.

JNO. R. SCOTT, A.M.

Mrs. ANNA B. HILLMAN.

Miss INEZ E. BORDEN.

Miss AMANDA FORD.

Miss LIZZIE W. LEIGH.

# STUDENTS.

## ADVANCED CLASS.

| NAMES.                        | RESIDENCE.               |
|-------------------------------|--------------------------|
| Case, P. G. Camden.....       | Baden, St. Louis Co.     |
| Cassilly, George E.....       | 806 Brooklyn street.     |
| Gazzam, Joseph Parker.....    | 2810 Pine street.        |
| Helfenstein, Phillip, Jr..... | Webster Groves, Mo.      |
| Hough, Frank K.....           | Kirkwood, Mo.            |
| Kaine, Benjamin E.....        | 3521 Lucas avenue.       |
| Kaine, George J.....          | Grand Ave., near Morgan. |
| Leathe, Samuel.....           | 2700 Lucas avenue.       |
| McCormick, Charles.....       | 3546 Lindell avenue.     |
| Primm, Benjamin J.....        | Belleville, Illinois.    |
| Reynolds, Charles H.....      | 2532 Lafayette avenue.   |
| Rumbold, Frank M.....         | 1225 Washington avenue.  |
| Shapleigh, Alfred Lee.....    | 1229 Washington avenue.  |
|                               | Total, 13.               |

## FIRST CLASS.

|                         |                                       |
|-------------------------|---------------------------------------|
| Clayton, Edward H.....  | Webster Groves, Mo.                   |
| Kinear, Hamilton E..... | 3104 Locust street.                   |
| Lane, Price.....        | 3640 Baker avenue.                    |
| Merriek, Louis A.....   | { Cor. Magnolia and Grand<br>avenues. |
| Moore, John A.....      | 1118 St. Ange avenue.                 |
| Offutt, Marshall M..... | 3015 Thomas street.                   |
| Orr, William A.....     | Compton Hill.                         |
| Rychlicki, Wlad H.....  | St. Louis Township.                   |
| Willis, Charles L.....  | 413 North Eighth street.              |
|                         | Total, 9.                             |

## SECOND CLASS.

| NAMES.                    | RESIDENCE.                |
|---------------------------|---------------------------|
| Bentley, Abram.....       | 1117 North Nineteenth st. |
| Blickhahn, Walter L.....  | 2949 Dickson street.      |
| Bremerman, Charles M..... | 928 Winter street.        |
| Capen, Samuel D.....      | 1520 Olive street.        |
| Carr, Henry A.....        | 1101 Chestnut street.     |
| Dana, Charles H.....      | Tueker Place. Station B.  |
| Feldman, Richard.....     | Hermann, Missouri.        |
| Gass, James D.....        | 1512 Olive street.        |
| Gaty, Theodore E.....     | 3409 Broadway.            |
| January, Derick A.....    | 1137 Washington avenue.   |
| Knight, Newell C.....     | 2628 Pine street.         |
| Knox, Prevoost M.....     | Lindell Hotel.            |
| Krenning, Francis H.....  | 1018 North Thirteenth st. |
| Lane, Ral h.....          | 3640 Baker avenue.        |
| McKittrick, Thomas.....   | 1119 Washington avenue.   |
| McLaran, Robert L.....    | 1628 Lucas Place.         |
| McVean, Fred. C.....      | St. Louis Powder Depot.   |
| Olcott, Arthur W.....     | Rock Hill, Missouri.      |
| Perry, Richard E.....     | 3047 Washington avenue.   |
| Platt, Charles R.....     | 1623 Carr street.         |
| Postel, Julius.....       | Mascoutah, Illinois.      |
| Ravold, Amand N.....      | 3537 Lindell avenue.      |
| Rosenheim, Robert.....    | 3042 Locust street.       |
| Samuel, Edward M.....     | 2341 Chestnut street.     |
| Sessinghaus, William..... | 1512 Spring street.       |
| Stanard, William K.....   | 3629 Lindell avenue.      |
| Stifel, Otto F.....       | 1901 North Fourteenth st. |
| Taussig, Alfred.....      | 1109 Valle avenue.        |
| Taussig, Walter M.....    | 1526 Mississippi avenue.  |
| Tower, George F., Jr..... | Grand avenue.             |
| Von Schrader, George..... | 1315 Garrison avenue.     |
| Wakefield, Loren A.....   | Planters' House.          |

Total, 32.

## THIRD CLASS.

| NAMES.                       | RESIDENCE.                              |
|------------------------------|-----------------------------------------|
| Carter, William A.....       | 2940 Thomas street.                     |
| Coste, Felix.....            | 1004 St. Ange avenue.                   |
| Cuddy, Ross P.....           | 509 Ware avenue.                        |
| Davis, James C.....          | Central Township.                       |
| Drescher, Fred. B.....       | { O'Fallon, St. Clair Co.,<br>Illinois. |
| Fabian, Carl.....            | 1107 Dillon street.                     |
| Garrett, Robert C.....       | Webster Groves, Mo.                     |
| Garrett, William O.....      | " " "                                   |
| Gage, Charles L.....         | 3668 Washington avenue.                 |
| Gieselman, Fred. Wm.....     | 1522 North Seventeenth st.              |
| Gordon, Lindell.....         | 2601 Olive street.                      |
| Harris, John F.....          | 3022 Dickson street.                    |
| Haseltine, Charles W.....    | 2731 Pine street.                       |
| Hawley, Melville A.....      | Everett House.                          |
| Henry, William Stuart.....   | Cote Brillante.                         |
| Hodges, Abel B. W.....       | 2115 Walnut street.                     |
| Horton, Benjamin F.....      | 3635 Lindell avenue.                    |
| Knox, Lefferts.....          | Lindell Hotel.                          |
| McNeil, William Edward.....  | 1806 Carr street.                       |
| Meier, Albert G.....         | Cor. Ohio av. & Miami st.               |
| Niedringhaus, Alexander..... | 1675 Benton Place.                      |
| Pegram, Frank R.....         | 1321 Chouteau avenue.                   |
| Petring, George Henry.....   | 1709 Wash street.                       |
| Richards, Eben. Jr.....      | { Cor. Franklin and Grand<br>avenues.   |
| Reaser, Howell M.....        | 2120 Clark avenue.                      |
| Ridgely, Samuel W.....       | 2631 Washington avenue.                 |
| Senter, John A.....          | 2737 Lucas avenue.                      |
| Shultz, Herbert S.....       | 2824 Dayton street.                     |
| Smith, Baron P.....          | Carondelet.                             |
| Smith, Irwin Z., Jr.....     | 1800 Wash street.                       |
| Spannagel, Gustav H.....     | 1829 Wash street.                       |
| Stark, Cornelius G.....      | 1612 N. Twenty-fourth st.               |
| Tilden, Grant.....           | 3005 Glasgow Place,                     |
| Turner, Wilson P. H.....     | 1706 Lucas Place.                       |
| Wagner, Louis.....           | Jefferson, Missouri.                    |

| NAMES.                  | RESIDENCE.               |
|-------------------------|--------------------------|
| Whitelaw, George G..... | 2027 Park avenue.        |
| Will, Samuel.....       | 3114 North Tenth street. |
| Wiseman, Arthur A.....  | 3531 Chestnut street.    |
| Zukoski, Edmund L.....  | 2709 Dayton street.      |
|                         | Total. 39.               |

## FOURTH CLASS.

|                                |                                           |
|--------------------------------|-------------------------------------------|
| Anderson, Louis A.....         | 3017 Easton avenue.                       |
| Aude, Otto.....                | 1526 North Eighteenth st.                 |
| Bain, George G.....            | Benton Place.                             |
| Bauer, William.....            | Jefferson City, Missouri.                 |
| Dean, William W.....           | 1728 Washington avenue.                   |
| Grether, Ellsworth Tell.....   | 2911 Gamble street.                       |
| Harrison, Hugh McC.....        | 2749 Walnut street.                       |
| Hays, Harry D.....             | 2705 Lucas avenue.                        |
| Hutchinson, George Herbert.... | 2949 Sheridan avenue.                     |
| Jackiesch, Henry C., Jr.....   | East St. Louis.                           |
| Kraemer, Edward.....           | 612 Franklin avenue.                      |
| Kraemer, George P.....         | 2913 Easton avenue.                       |
| Kraemer, William.....          | " " "                                     |
| Krenning, Benjamin H.....      | 1018 North Eighteenth st.                 |
| Lange, Oscar C.....            | { Cor. Maramec street and<br>Iowa avenue. |
| Lewis, Silas S.....            | 2730 Washington avenue.                   |
| Link, Ernst, Jr.....           | 2221 Clark avenue.                        |
| Luyties, Reinhard D.....       | 809 Locust street.                        |
| McCargo, Wallace.....          | 2934 Laclede avenue.                      |
| Ostrom, Charles S.....         | 1315 St. Ange avenue.                     |
| O'Connor, Edward L.....        | 2443 Wash street.                         |
| O'Reilley, Andrew J.....       | 602 North Eighteenth st.                  |
| Russell, Daniel R.....         | Oak Hill, Missouri.                       |
| Scheele, Matthias.....         | 1802 South Seventh street.                |
| Scholer, Ernest, Jr.....       | 3011 Cass avenue.                         |
| Schultheis, Willie J.....      | 3615 North Ninth street.                  |
| Schroeder, Hermann A.....      | East St. Louis.                           |

| NAMES.                        | RESIDENCE.                |
|-------------------------------|---------------------------|
| Stonebraker, Grafton McC..... | 3305 North Tenth street.  |
| Strauss, David M.....         | 1842 Kennet Place.        |
| Telchmann, Otto L.....        | 1032 South Eighth street. |
| Thro, George W.....           | 2911 Gamble street.       |
| Wiegmann, Oscar H.....        | 3601 North Ninth street.  |
| Wenzel, Adam P.....           | 801 Franklin avenue.      |
|                               | Total, 33.                |

## FIFTH CLASS.

|                              |                                         |
|------------------------------|-----------------------------------------|
| Bryden, William.....         | 2931 Dayton street.                     |
| Cundall, Walter A.....       | 2600 Stoddard street.                   |
| Dougherty, James Edgar.....  | 2716 Olive street.                      |
| Emery, Theodore E.....       | Belleville, Illinois.                   |
| Filley, Victor G.....        | 1527 Lucas Place.                       |
| Krome, August H. T., Jr..... | 3720 N. Sixteenth street.               |
| Leser, Victor C.....         | 1919 Sidney street.                     |
| Logeman, Charles Alfred..... | 1827 Carr street.                       |
| Macqueen, Alexander M.....   | 2017 Park avenue.                       |
| Maude, Lees.....             | 1731 Washington avenue.                 |
| Meyer, John P., Jr.....      | 2002 Lafayette avenue.                  |
| Nicholson, Peter.....        | 1108 Garrison avenue.                   |
| Plant, Frederick S.....      | Webster Groves, Missouri.               |
| Powell, George W.....        | 3109 West Bell street.                  |
| Renfrew, John.....           | { Normandy, St. Louis Co.,<br>Missouri. |
| Smith, George P.....         | Pattonville P. O.                       |
| Smith, Joseph C.....         | 3411 Washington avenue.                 |
| Snow, Robert B.....          | 2700 Olive street.                      |
| Spannagel, John H.....       | East St. Louis.                         |
| Westermann, Emil A.....      | 1926 Carr street.                       |
|                              | Total, 20.                              |

## PREPARATORY SCIENTIFIC CLASS.

|                             |                         |
|-----------------------------|-------------------------|
| Adams, Frank J.....         | St. Louis Arsenal.      |
| Angler, A. William, Jr..... | Collinsville, Illinois. |
| Beattie, Wm. J.....         | 2007 Eugenia street.    |

| NAMES.                        | RESIDENCE.               |
|-------------------------------|--------------------------|
| Branch, Joseph C.....         | 3803 Bellefontaine Road. |
| Cavender, James S.....        | Benton Place.            |
| Chester, Fred. D.....         | 1126 St. Ange avenue.    |
| Chittenden, George R.....     | Mendon, Illinois.        |
| Clark, Wm. G., Jr.....        | 1520 Washington avenue.  |
| Cohen, Samuel.....            | 811 Jefferson street.    |
| Collins, Thomas Richeson..... | 3547 Pine street.        |
| Dryden, J. Gordon.....        | 1112 Madison street.     |
| Evens, Ellis L.....           | 2902 Washington avenue.  |
| Gildehaus, Henry W., Jr.....  | 1910 Gratiot street.     |
| Glasgow, Julian K.....        | 1510 Washington avenue.  |
| Gregg, William H., Jr.....    | 3013 Pine street.        |
| Heidorn, Frederick A.....     | Bridgeton, Missouri.     |
| Herndon, Eddie L.....         | 2727 Morgan street.      |
| Hubble, Jno. P.....           | 325 Montrose avenue.     |
| Johnston, William H., Jr..... | 3418 Lucas avenue.       |
| Kennett, K. Wilson.....       | 2835 Pine street.        |
| Mallinckrodt, Oscar.....      | Central P. O.            |
| Mersman, Arthur.....          | 1600 Mississippi avenue. |
| Niedringhaus, Thos.....       | 1615 Benton Place.       |
| Paramore, Edward.....         | 1002 Chouteau avenue.    |
| Patrick, Warner K.....        | 1618 Washington avenue.  |
| Platt, Philip C.....          | 1623 Carr street.        |
| Reutlinger, Charles A.....    | 1614 St. Louis avenue.   |
| Seudder, William H., Jr.....  | Cote Brilliante.         |
| Seudder, James W.....         | " "                      |
| Simon, Charles Fitzhugh.....  | 2821 Locust street.      |
| Sturgis, Samuel D.....        | 2930 Locust street.      |
|                               | Total, 31.               |

## COMMERCIAL CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Aderton, William T.....  | 3516 Washington avenue. |
| Bartholow, Thomas J..... | 3144 Locust street.     |
| Gardner, George W.....   | Hastings, Minnesota.    |
| Gordon, Robert C.....    | 2601 Olive street.      |

| NAMES.                   | RESIDENCE             |
|--------------------------|-----------------------|
| Ross, Hugh W.....        | Mexico, Missouri.     |
| Smith, Earl C.....       | Alton, Illinois.      |
| Willis, Arthur D. L..... | 2610 Stoddard street. |
|                          | Total, 7.             |

### PREPARATORY CLASS.

|                                |                          |
|--------------------------------|--------------------------|
| Bartholow, Russell N.....      | 3144 Locust street.      |
| Bascome, Radford W.....        | 2631 Olive street.       |
| Boeckenkamp, George H.....     | 1700 North Ninth street. |
| Brackett, Darville S. A.....   | 1617 Washington avenue.  |
| Bremser, Louis.....            | 405 North Levee.         |
| Cavender, Edward R.....        | Benton Place.            |
| Chamberlain, Fred. B., Jr..... | 1819 Washington avenue.  |
| Collins, Horace C.....         | 3547 Pine street.        |
| Glasgow, Willie J.....         | 1510 Washington avenue.  |
| Glenny, William H.....         | 922 Webster street.      |
| Gordon, Clarence M.....        | 2601 Olive street.       |
| Haeberle, Frederick S.....     | 1316 Madison street.     |
| Harless, Adolph.....           | 1329 Dillon street.      |
| Hays, Jackie H.....            | 2705 Lucas avenue.       |
| Hebard, Alfred Partridge.....  | 1618 Olive street.       |
| Hutchinson, William N.....     | 2949 Sheridan avenue.    |
| Jacqnemin, Frederick.....      | 801 Chouteau avenue.     |
| Jungling, Franklin S.....      | 1608 ½ N. Fourteenth st. |
| Knight, Harry F.....           | 2628 Pine street.        |
| Luyties, Henry R.....          | 809 Locust street.       |
| Mathey, Constant F.....        | 1021 Dolman street.      |
| McCargo, John.....             | 2934 Laclede avenue.     |
| Nicholson, Alexander.....      | 1108 Garrison avenue.    |
| Poeock, Walter.....            | 3107 Bell street.        |
| Sammel, William R.....         | 2341 Chestnut street.    |
| Schmidt, Rudolph C.....        | 1177 Hickory street.     |
| Schroth, Augustus.....         | 918 Winter street.       |
| Scott, Walter S.....           | 3018 Lucas avenue.       |
| Seudder, Charles.....          | Cote Brillante.          |
| Shaw, Stephen G.....           | 2601 Olive street.       |

| NAMES.                         | RESIDENCE.                                    |
|--------------------------------|-----------------------------------------------|
| Shoemaker, Walter S.....       | Lindell Hotel.                                |
| Short, Harlie W.....           | 1339 Garrison avenue.                         |
| Simpkins, Allan T.....         | 3106 Morgan street.                           |
| Tanner, Hermann.....           | Jefferson City.                               |
| Taylor, Rodney C.....          | { Corner Cook and Vande-<br>{ venter avenues. |
| Taylor, Walter C.....          | 1804 Lucas Place.                             |
| Thompson, Frank C.....         | Lindell Hotel.                                |
| Treadway, Manning, Jr.....     | Windsor Flats.                                |
| Van Studiford, Chas. D. K..... | 1623 Olive street.                            |
| Waters, William D.....         | 2309 Locust street.                           |
| Watson, Harry A.....           | 3022 Easton avenue.                           |
| Wilhelmy, Henry C.....         | 3301 North Tenth street.                      |
| Winter, William D.....         | 2027 Pine street.                             |
| Zukoski, Charles F.....        | 2709 Dayton street.                           |
|                                | Total, 44.                                    |

## PRIMARY CLASS.

|                               |                         |
|-------------------------------|-------------------------|
| Arnold, Franklin L.....       | 2643 Washington avenue. |
| Bailey, Charles H., Jr.....   | 3520 Lindell avenue.    |
| Bartlett, James A.....        | 3018 Glasgow Place.     |
| Benton, William H., Jr.....   | 1604 Lucas Place.       |
| Blackman, James Herbert.....  | 3101 Chestnut street.   |
| Calvert, Rupert L.....        | Windsor Flats.          |
| Capen, George H.....          | 1520 Olive street.      |
| Carter, Henry S.....          | St. Louis Township.     |
| Clark, Daniel Harry.....      | 2653 Washington avenue. |
| Clark, Rufus L.....           | 1530 Washington avenue. |
| Clover, Henry A.....          | 3308 Washington avenue. |
| Collins, Henry Blakesley..... | 3422 Morgan street.     |
| Collins, William H., Jr.....  | 2617 Chestnut street.   |
| Cook, Isaac, Jr.....          | Lindell Hotel.          |
| Davis, John T., Jr.....       | 2123 Lucas Place.       |
| Davis, Sidney E.....          | Central Township.       |
| Ellis, Howard F.....          | 3007 Easton avenue.     |
| Evill, Burton K.....          | 1917 Lucas avenue.      |
| Frost, Hugh McC.....          | Buffalo, N. Y.          |

| NAMES.                     | RESIDENCE.               |
|----------------------------|--------------------------|
| Goddard, George H.....     | 3131 Lucas avenue.       |
| Graham, Spalding.....      | 2615 Pine street.        |
| Grether, John L.....       | 2911 Gamble street.      |
| Hermann, Joseph.....       | 2719 Morgan street.      |
| Heth, James B.....         | 1 Benton Place.          |
| Hewitt, Ed.....            | 609 South Jefferson av.  |
| Hitchcock, George C.....   | 1507 Lucas Place.        |
| Hodgen, John M.....        | 2703 Washington avenue.  |
| Jacobs, Charles.....       | 1617 Salisbury street.   |
| Jacobs, Robert.....        | " " "                    |
| Knight, Eugene C.....      | 2628 Pine street.        |
| Krum, John M.....          | 2732 Washington avenue.  |
| Lewis, Robert B.....       | 2630 Pine street.        |
| Logeman, Roland H.....     | 1827 Carr street.        |
| McDonald, Nathaniel.....   | 10 Benton Place.         |
| McKittrick, Hugh.....      | 1119 Washington avenue.  |
| Moore, Austin S.....       | Page & Vandeventer avs.  |
| Offutt, Douglass.....      | 3015 Thomas street.      |
| Petring, Walter.....       | 1709 Wash street.        |
| Scott, Robert L.....       | 1029 Winter street.      |
| Simmons, Ed. H.....        | 2721 Olive street.       |
| Simmons, Wallace D.....    | " " "                    |
| Springmeyer, George.....   | 1508 Chambers street.*   |
| Steedman, J. Harrison..... | 2803 Pine street.        |
| Stone, Percy W.....        | 1017 North Sixteenth st. |
| Thompson, George T.....    | 3224 Washington avenue.  |
| Todd, Wm. G.....           | 2129 Pine street.        |
| Valle, Paul B.....         | 2710 Washington avenue.  |
| Ware, Edward Y.....        | 1113 Washington avenue.  |
| Winter, Frank A.....       | 2027 Pine street.        |

Total, 49.

## ADMISSION.

Pupils are admitted to the Fifth Academic Class at the age of eleven years, *provided* they can pass a satisfactory examination in Reading, Spelling, Writing, Geography, and Elementary Arithmetic. Those not qualified for this class are received in the Preparatory Class, and provided with a separate room and special instructor. No pupils will be received for less than one term, and no abatement in tuition will be made for absence, whether such absence occur at the beginning, middle or end of the term. Every absence, however brief, from the regular exercises, should be regarded as an infringement upon the good order of the school, and a serious hindrance to individual progress. The course of instruction in this department extends through six years, and includes those studies which are preparatory to the College and the Polytechnic School of the University.

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## COURSE OF STUDY.

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### FIFTH CLASS.

*Mathematics.*—Felter's Arithmetic.  
*Geography.*—Harper's.  
*English Grammar.*—Greene's Introductory.  
Hooker's Book of Nature.  
*Reading, Writing and Spelling; Composition.*

### FOURTH CLASS.

*Mathematics.*—Felter's Arithmetic and Stoddard's Intellectual Arithmetic.  
*History.*—Anderson's United States.

*English Grammar.*—Greene's Introductory.

*Latin.*—Harkness' Introductory Latin Book.

*Philosophy.*—Cooley's.

*Reading, Writing and Spelling; Composition.*

### THIRD CLASS.

#### FIRST TERM.

*Mathematics.*—Walton's Written Arithmetic and Stoddard's Intellectual Arithmetic.

*Latin.*—Harkness' Introductory Latin Book.

*English Grammar.*—Parsing and Analysis.

*Philosophy.*—Cooley's.

*Reading, Writing, and Spelling; Composition and Declamation.*

#### SECOND TERM.

*Mathematics.*—Walton's Written Arithmetic.

*Grammar.*—Parsing and Analysis.

*Latin.*—Harkness' Latin Reader.

*Reading, Writing and Spelling; Composition and Declamation.*

### SECOND CLASS.

#### FIRST TERM.

*Geography.*—Guyot's Physical Geography.

*Latin.*—Harkness' Cæsar.

*Greek.*—Harkness' First Greek Book.

*Rhetoric.*—Quackenbos' First Lessons.

*Writing and Spelling; Composition and Declamation.*

#### SECOND TERM.

*Mathematics.*—Ficklin's Algebra.

*Latin.*—Harkness' Cæsar.

*Greek.*—Harkness' First Greek Book; Felton's Greek Reader.

*History.*—United States.

*Writing and Spelling; Composition and Declamation.*

### FIRST CLASS.

#### FIRST TERM.

*Physiology.*—Dalton's.

*Mathematics.*—Ficklin's Algebra.

*Latin*.—Æneid of Virgil.

*Greek*.—Anabasis; Greek Prose Composition.

*History*.—England.

*Composition and Declamation*.

#### SECOND TERM.

*Mathematics*.—Ficklin's Algebra.

*Latin*.—Æneid of Virgil; Latin Prose Composition.

*Greek*.—Felton's Greek Reader.

*History*.—England.

*German*.—Otto's German Grammar.

*Composition and Declamation*.

#### ADVANCED CLASS.

##### FIRST TERM.

*Latin*.—Æneid of Virgil; Latin Prose Composition.

*Greek*.—Felton's Greek Reader; Greek Composition.

*Mathematics*.—Davies' Legendre.

*German*.—Whitney's German Reader.

*History*.—Pennell's Greece.

*Composition and Declamation*.

##### SECOND TERM.

*Latin*.—Cicero's Orations; Latin Prose Composition.

*Greek*.—Anabasis; Greek Prose Composition.

*Mathematics*.—Davies' Legendre, continued.

*German*.—William Tell.

*History*.—Pennell's Rome.

*Composition and Declamation*.

#### PREPARATORY SCIENTIFIC CLASS.

##### FIRST TERM.

*Algebra*.—Ficklin's.

*Physiology*.—Dalton's.

*German*.—Otto's Grammar; Whitney's German Reader.

*History*.—England.

*Composition and Declamation*.

*Geometry and Mechanical Drawing*.

## SECOND TERM.

*Algebra.*—Ficklin's, through Quadratics—use of Logarithms.

*Philosophy.*—Rolfe and Gillet's.

*History.*—England.

*German.*—William Tell.

*Geometry and Mechanical Drawing.*

*Composition and Declamation.*

Students joining the Commercial Class pursue only the English studies of the preceding course, together with Book-keeping. The full Academic Course, although especially designed for those who intend to pursue the Collegiate Course, is nevertheless recommended, also, for those who are preparing for commercial life, unless previous want of preparation prevents its adoption.

## PRIMARY SCHOOL.

To meet the wishes of a number of parents, a Primary School has been organized for boys under eleven years of age. It is placed under the immediate charge of a competent lady, but is under the general supervision of the Principal of the Academy.

## GYMNASIUM.

A Gymnasium, erected on the grounds of the University, is open to the students of the Academy, and classes are trained by a competent instructor.

## EXAMINATIONS.

Besides examinations of classes by select committees, appointed by the Directors for the purpose, public examinations are held at the close of the Academic term.

## MONTHLY REPORTS.

Monthly reports will be made of the attendance, deportment, standing, and general progress of each student, to which the attention of parents and guardians is especially invited.

## TUITION.

|                                                  |         |
|--------------------------------------------------|---------|
| Primary Class, per term of 20 weeks.....         | \$25 00 |
| Preparatory " " " .....                          | 30 00   |
| Fifth " " " .....                                | 35 00   |
| Fourth " " " .....                               | 35 00   |
| Third " " " .....                                | 37 50   |
| Second " " " .....                               | 40 00   |
| First " " " .....                                | 42 00   |
| Advanced " " " .....                             | 45 00   |
| Commercial " " " .....                           | 50 00   |
| Preparatory Scientific, per term of 20 weeks.... | 50 00   |

These rates are for the current year only.

No *extra charge of any kind will be made*, provided payment is made within four weeks of the beginning of the term, or on demand; otherwise ten per cent. will be added to the bill.



## II--MARY INSTITUTE.

FOUNDED MAY 11, 1859.

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Several gentlemen, availing themselves of the liberal provisions of the University Charter, have established under it a Female Seminary. A commodious building was erected in 1858, at an expense of \$25,000, upon a spacious lot given for the purpose in Lucas Place. Subsequently an addition was made which more than doubled the original capacity and accommodations.

The need of more room and greater conveniences has, however, been felt for several years.

To meet this want a new building is now in process of erection on the corner of Beaumont and Locust streets, which will be sufficiently roomy and convenient in plan, and well furnished with all modern furniture and appliances. This building will be ready for use at the beginning of the next scholastic year.

The Institute is provided with the most thorough and varied instruction, so that no citizen of St. Louis need send his daughter a thousand miles *away from home, for four or five of the most critical years of her life, to be trained by strangers.*

The connection of the Seminary with the University will be such as to secure to the young ladies all the means of high intellectual culture accessible to young men. The buildings and grounds of the two Institutions are distinct; but in respect to the classification, the course of study, and the general management of the Institute, the Chancellor will assist the Principal; and recitations in the Languages, the higher Mathematics and the Natural Sciences will be conducted to such an extent as shall seem desirable by the Professors in the College and the Polytechnic School of the University.

## BOARD OF MANAGERS.

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WM. G. ELIOT,

GEORGE PARTRIDGE.

JOHN R. SHEPLEY,

CARLOS S. GREELEY,

HENRY HITCHCOCK,

GEORGE E. LEIGHTON.

## FACULTY.

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WM. G. ELIOT, D. D., *Chancellor.*  
CALVIN S. PENNELL, A. M., *Principal.*  
MISS MARY S. WATKINS.  
MISS HENRIETTA SAWYER.  
MISS MARGARET T. WALLACE.  
MISS FLORENCE K. HOLDEN.  
MISS SARAH E. COLE.  
MISS JOSEPHINE E. YEOMAN.  
MISS ANNIE WALL.  
MISS CAROLINE M. PEASE.  
MRS. ANNIE L. McCARGO.  
MISS HELEN E. SEAVEY.  
MISS HELEN E. SWAIN.  
MRS. REBECCA M. HUNTINGTON.  
MADAME LOUISE GRANDJEAN.  
MRS. KATE JONES BRAINARD.  
MISS SARAH M. MILLS.  
MISS SAIDEE DUNNICA.  
MISS MARY J. RYCHLICKI.  
MISS J. C. BRYANT.

# STUDENTS.

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## SENIOR ADVANCED CLASS.

| NAMES.                | RESIDENCE             |
|-----------------------|-----------------------|
| Kribben, Edith W..... | 923 Amelia avenue.    |
| Pegram, Minnie S..... | 1321 Chouteau avenue. |
| Powell, Lennie.....   | 3004 Locust street.   |
|                       | Total, 3.             |

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## JUNIOR ADVANCED CLASS.

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Clapp, Lillie F.....     | 1527 Lucas Place.                             |
| Clark, Lizzie P.....     | 1530 Washington avenue.                       |
| Gage, Fannie S.....      | 3668 Washington avenue.                       |
| Knox, Sadie A.....       | Lindell Hotel.                                |
| Libby, Cora.....         | 2644 Washington avenue.                       |
| Lionberger, Mary A.....  | 1601 Olive street.                            |
| Richards, Grace.....     | { N. E. Corner Grand and<br>Franklin avenues. |
| Runyan, Mary D.....      | 2620 Lafayette avenue.                        |
| Stillwill, Sallie H..... | 2344 Chestnut street.                         |
| Sylvester, Helen L.....  | 3420 Washington avenue.                       |
|                          | Total, 10.                                    |

## FIRST ACADEMIC CLASS.

|                          |                      |
|--------------------------|----------------------|
| Beattie, Annie.....      | 2007 Eugenia street. |
| Dunnica, Eudora S.....   | 1609 Hickory street. |
| Harrison, Brianna L..... | 2835 Olive street.   |
| Hinde, Vernetta.....     | 3116 Morgan street.  |
| Kellenberger, Edith..... | Benton Place.        |
| Lackland, Margaret.....  | 1623 Lucas Place.    |

| NAMES.                  | RESIDENCE.              |
|-------------------------|-------------------------|
| Lightner, Mary E.....   | 1637 Washington avenue. |
| Lippmann, Jennie R..... | 1209 Dillon street.     |
| McLaran, Ella.....      | 1628 Lucas Place.       |
| Morehead, Ida M.....    | 3037 Washington avenue. |
| Scott, Lulu Q.....      | 3018 Lucas avenue.      |
| Stanford, Alice M.....  | 1615 Olive street.      |
| Tower, Nellie P.....    | Compton Hill.           |
| Wall, Lula B.....       | 2702 Locust street.     |
| Wickham, Fanny G.....   | 1712 Lucas Place.       |
|                         | Total, 15.              |

## SECOND ACADEMIC CLASS.

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Adams, Ella M.....      | 1524 Morgan street.                             |
| Andrews, Ava.....       | Carondelet.                                     |
| Bent, Lucy.....         | 717 Garrison avenue.                            |
| Chauvin, Lucille M..... | 2947 Dayton street.                             |
| Colman, Laura K.....    | Olive Street Road.                              |
| Dillon, Susie M.....    | Davenport, Iowa.                                |
| Dryden, Mary C.....     | { Corner California avenue<br>and Miami street. |
| Dunham, Cora A.....     | 2631 Pine street.                               |
| Eisenstadt, Jennie..... | 3142 Locust street.                             |
| English, Ella M.....    | Carondelet.                                     |
| Goodson, Cora S.....    | South Saint Louis.                              |
| Grant, Jennie A.....    | 2113 Walnut street.                             |
| Harker, Mary L.....     | 3205 Sheridan avenue.                           |
| Hemple, Annie C.....    | 2703 Lucas avenue.                              |
| McMillin, Minnie.....   | 2917 Pine street.                               |
| Newman, Lemira.....     | 3037 Washington avenue.                         |
| Orr, Belle L.....       | Compton Hill.                                   |
| Postel, Louisa.....     | 1113 North Thirteenth st.                       |
| Powell, Edith.....      | 3004 Locust street.                             |
| Price, Susie.....       | 3556 Lindell avenue.                            |
| Reed, Addie P.....      | 1703 Olive street.                              |
| Speck, Corinne A.....   | 1206 Morrison avenue.                           |
| Speck, Emilie E.....    | " " "                                           |

| NAMES.                   | RESIDENCE.              |
|--------------------------|-------------------------|
| Swahn, Lillie I.....     | 2113 Walnut street.     |
| Switzer, Eugenia.....    | 1725 Washington avenue. |
| Taussig, Emma L.....     | 1219 Dolman street.     |
| Teasdale, Lucy Byrd..... | 1223 St. Ange avenue.   |
| Thomas, Ida W.....       | 1110 North Park Place.  |
| Valle, Ida.....          | 1516 Lucas Place.       |
|                          | Total, 29.              |

### THIRD ACADEMIC CLASS.

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| Abend, Lena M.....       | Belleville, Illinois.                           |
| Bartlett, Abbie T.....   | 3018 Glasgow Place.                             |
| Blow, Eugenie L.....     | Baker Place, Lindell av.                        |
| Bowman, Sallie E.....    | 3029 Washington avenue.                         |
| Clover, Mary M.....      | 3303 Washington avenue.                         |
| Durkee, Helen L.....     | 2803 Locust street.                             |
| Field, Lillie C.....     | { McPherson, near Vande-<br>{ venter street.    |
| Filley, Anna K.....      | 1614 Olive street.                              |
| Gill, Mary W.....        | Kirkwood.                                       |
| Groshon, Lottie.....     | Webster Groves.                                 |
| Gumersell, Ida B.....    | 2837 Morgan street.                             |
| Hall, Hattie.....        | 3609 North Ninth street.                        |
| Hewitt, May F.....       | 2321 Chestnut street.                           |
| Horton, Katie M.....     | 3635 Lindell avenue.                            |
| Howard, Eliza.....       | 3036 Washington avenue.                         |
| Jonett, Mary L.....      | 2637 Olive street.                              |
| Keller, Elizabeth.....   | 2929 Washington avenue.                         |
| Kimball, Ninette.....    | Florissant.                                     |
| Lewis, Sallie.....       | 3014 Morgan street.                             |
| Liggett, Cora B.....     | 2921 Locust street.                             |
| Logan, Mary E.....       | 3024 Easton avenue.                             |
| Maxon, Nella.....        | 2908 Washington avenue.                         |
| McPherson, Sophie E..... | 2221 Lucas Place.                               |
| Norris, Elizabeth L..... | 3039 Washington avenue.                         |
| Parks, Alma J.....       | { Summit avenue, south of<br>{ Chouteau avenue. |
| Peper, Maggie P.....     | 1522 Morgan street.                             |

| NAMES.                    | RESIDENCE.                                           |
|---------------------------|------------------------------------------------------|
| Richards, Carrie L.....   | { North-east corner Grand<br>and Franklin avenues.   |
| Shepley, Mary Louisa..... | 1518 Washington avenue.                              |
| Sherman, Edith B.....     | 2633 Locust street.                                  |
| Shultz, Mary J.....       | { Sarsfield avenue, north of<br>of Lafayette avenue. |
| Singer, Sallie.....       | 1010 Chouteau avenue.                                |
| Skrainka, Laura.....      | 2007 Park avenue.                                    |
| Smith, Lillie K.....      | Carondelet                                           |
| Voorhis, Lulu H.....      | 1112 Madison street.                                 |
| Wainright, Katie A.....   | 1121 Morrison avenue.                                |
| Walker, Alby M.....       | 3416 Washington avenue.                              |
| Warner, Mary.....         | Kirkwood.                                            |
| White, Ethel.....         | 2622 Gamble street.                                  |
| Total, 38.                |                                                      |

## FOURTH ACADEMIC CLASS.

|                          |                                             |
|--------------------------|---------------------------------------------|
| Blossom, May.....        | 3000 Locust street.                         |
| Carter, Emma N.....      | Grand avenue.                               |
| Copelin, Emma R.....     | Compton Hill.                               |
| Durkee, Laura C.....     | 2803 Locust street.                         |
| Eliot, Rose.....         | 2660 Washington avenue.                     |
| Evens, Laura A.....      | 2902 Washington avenue.                     |
| Gibson, Lizzie R.....    | { Corner McNair and La-<br>fayette avenues. |
| Glasgow, Anna D.....     | Ingleside, near Norm'ndy.                   |
| Gordon, Lillie.....      | 2601 Olive street.                          |
| Gumersell, Louise B..... | 2837 Morgan street.                         |
| Holmes, Laura.....       | 2647 Morgan street.                         |
| Hospes, Adele L.....     | 1623 Salisbury street.                      |
| Levi, Ida J.....         | 3533 Lindell avenue.                        |
| Levi, Sallie R.....      | " " "                                       |
| Maurice, Mary A.....     | 2215 Park avenue.                           |
| Munroe, Mary A.....      | 1618 Olive street.                          |
| Noland, Nellie.....      | 3148 Locust street.                         |
| O'Fallon, R. Rosa.....   | Grand avenue.                               |
| Pfaff, Harriet M.....    | 3302 Laclede avenue.                        |

| NAMES.                 | RESIDENCE.              |
|------------------------|-------------------------|
| Plant, Carrie A.....   | 3008 Lucas avenue.      |
| Reber, Maud.....       | 3012 Lucas avenue.      |
| Sells, Mary.....       | 3106 Lucas avenue.      |
| Willis, Lillian S..... | 1621 Washington avenue. |
|                        | Total. 23.              |

## FIFTH ACADEMIC CLASS.

|                          |                           |
|--------------------------|---------------------------|
| Allen, Alice Maud.....   | 1414 Lucas Place.         |
| Benton, Katie S.....     | 1604 Lucas Place.         |
| Betts, Carrie.....       | 1102 Morrison avenue.     |
| Bremermann, Clara.....   | 928 Winter street.        |
| Bridge, Amy.....         | Glendale.                 |
| Foote, Emily K.....      | 2035 Walnut street.       |
| Franklin, Mary.....      | Kirkwood.                 |
| Gage, Lizzie.....        | 3668 Washington avenue.   |
| Glasgow, M. Susie.....   | Ingleside, near Normandy. |
| Goldsohl, Dora.....      | Lafayette Park Flats.     |
| Haines, Virginia C.....  | 2902 Washington avenue.   |
| January, Mary B.....     | 1137 Washington avenue.   |
| Keferstein, Emily A..... | 1128 St. Ange avenue.     |
| Ledyard, Alice L.....    | 1131 Washington avenue.   |
| Matthews, Mary N.....    | Oakland.                  |
| McClellan, Lillie A..... | 3428 Morgau street.       |
| Moore, Emma C.....       | Vandeventer & Page avs.   |
| Newman, Lallie.....      | 3037 Washington avenue.   |
| Perry, Laura.....        | 3407 Washington avenue.   |
| Postel, Annelie.....     | Bethalto, Illinois.       |
| Scullin, May O.....      | 1011 Vallé avenue.        |
| Shultz, Sallie K.....    | 2824 Dayton street.       |
| Sterling, Alma.....      | 1318 Chouteau avenue.     |
| Tennent, Zaidce... ..    | 3016 Lucas avenue.        |
| Triplett, Louisa S.....  | 2123 Pine street.         |
| Vallé, Isabelle.....     | 2710 Washington avenue.   |
| Wade, Annie B.....       | 3200 Lafayette avenue.    |
| Waples, Harriet J.....   | 2618 Locust street.       |
| Wilson, Carrie E.....    | 2706 Locust street.       |
|                          | Total. 29                 |

## FIRST PREPARATORY CLASS.

| NAMES.                        | RESIDENCE.                                            |
|-------------------------------|-------------------------------------------------------|
| Anderson, Georgie C.....      | 3729 North Ninth street.                              |
| Barney, Emma L.....           | 1335 Washington avenue.                               |
| Bernays, Lily C.....          | 1102 Chambers street.                                 |
| Brown, Cynthia M.....         | Webster Groves.                                       |
| Chamberlain, Harriet E.....   | 1819 Washington avenue.                               |
| Cupples, Amelia L.....        | Cote Brillante.                                       |
| Franklin, Florence S.....     | 1750 McNair Place.                                    |
| Ganss, Adele L.....           | ( California av., bet. Park<br>and Lafayette avenues. |
| Gill, Annebel H.....          | Kirkwood.                                             |
| Harrison, Medora S.....       | 2835 Olive street.                                    |
| Hospes, Cecilia L.....        | 1623 Salisbury street.                                |
| Humphreys, Susie E.....       | 3026 Sheridan avenue.                                 |
| Johnston, Bessie N.....       | 3418 Lucas avenue.                                    |
| Kehlor, Carrie E.....         | 3606 Vandeventer Place.                               |
| Leggett, Ella D.....          | 2921 Locust street.                                   |
| Matthews, Isabel.....         | Oakland                                               |
| McLaran, M. Alice.....        | 1628 Lucas Place.                                     |
| Meier, Ottilie .....          | ( Miami street, bet. Clara<br>and Ohio avenues.       |
| Meyer, Augusta F.....         | Cor. Keokuk and Iowa sts.                             |
| Moore, Bettie W.....          | 2730 Lucas avenue.                                    |
| Niedringhaus, Lydia M.....    | 1640 Benton Place.                                    |
| Powell, Daisy.....            | 3004 Locust street.                                   |
| Provenchere, Genevieve E..... | 1103 Paul street.                                     |
| Rogers, Mary A.....           | 3220 Washington avenue.                               |
| Schweikhart, Tillie B.....    | 923 Gratiot street.                                   |
| Sells, Sallie.....            | 3106 Lucas avenue.                                    |
| Total, 26.                    |                                                       |

## SECOND PREPARATORY CLASS.

|                          |                         |
|--------------------------|-------------------------|
| Benton, Lucy B.....      | 1604 Lucas Place.       |
| Boyle, Lena.....         | 2305 Pine street.       |
| Broadhead, Nannie D..... | Compton Hill.           |
| Clark, Virginia L.....   | 1539 Washington street. |

| NAME.                     | RESIDENCE.              |
|---------------------------|-------------------------|
| Colt, M. Ada.....         | 1314 Washington avenue. |
| Coleman, Mary B.....      | 3207 Sheridan avenue.   |
| Corbitt, Sallie M.....    | 1812 Wash street.       |
| Drake, Bertie W.....      | 2807 Locust street.     |
| Jaunary, Edith.....       | 1137 Washington avenue. |
| Jaunary, Jeannette.....   | " " "                   |
| Lea, Augusta.....         | 1530 Washington avenue. |
| Magruder, Susie L.....    | 2808 Locust street.     |
| Nicholson, Helen.....     | 1108 Garrison avenue.   |
| Rychlicki, Eugenia V..... | King's Highway.         |
| Teasdale, M. Jessie.....  | 2303 Park avenue.       |
| Walker, Etta.....         | 3416 Washington avenue. |
| Woodson, Julia M.....     | 2817 Morgan street.     |
| Wright, Annie M.....      | 2937 Washington avenue. |
|                           | Total, 18.              |

## THIRD PREPARATORY CLASS.

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| Bartlett, Harriet G.....   | 3018 Glasgow Place.                                   |
| Boyd, Louie C.....         | 2129 Eugenia street.                                  |
| Gauss, Emma J.....         | { California av., bet. Park<br>and Lafayette avenues. |
| Jacobs, Clara C.....       | 1909 Wash street.                                     |
| Magruder, Mary L.....      | 2808 Locust street.                                   |
| Mathey, Ida.....           | 1021 Dolman street.                                   |
| McKittrick, Martha.....    | 1119 Washington avenue.                               |
| Offutt, Maggie C.....      | 3015 Thomas street.                                   |
| Orr, Mary A.....           | Compton Hill.                                         |
| Pearson, Grace B.....      | 3221 Locust street.                                   |
| Richards, Ellen.....       | 2608 Locust street.                                   |
| Shepley, Annie.....        | 1518 Washington avenue.                               |
| Smith, Mary Belle.....     | Carondelet avenue.                                    |
| Stanard, Sue Ella.....     | 3629 Lindell avenue.                                  |
| Stotlemeyer, Minnie B..... | 1912 Wash street.                                     |
| Taylor, Agnes R.....       | 1804 Lucas Place.                                     |
| Williams, Annie.....       | 2930 Laclede avenue.                                  |
| Wilson, Julia L.....       | 2706 Locust street.                                   |
|                            | Total, 18.                                            |

## FOURTH PREPARATORY CLASS.

| NAMES.                    | RESIDENCE.                                  |
|---------------------------|---------------------------------------------|
| Boyd, Margaret C.....     | 2129 Eugenia street.                        |
| Buck, Gertrude.....       | { Grand avenue, head of<br>Chestnut street. |
| Capen, Frances L.....     | 1520 Olive street.                          |
| Clement, Bessie S.....    | Lindell Hotel.                              |
| Dameron, Mary S.....      | 1705 Washington avenue.                     |
| Gregg, Orie L.....        | 3013 Pine street.                           |
| Kauffman, Frances P.....  | 2907 Dickson street.                        |
| Kayser, Charlotte J.....  | 1420 Lucas Place.                           |
| Krum, Mary F.....         | 2732 Washington avenue.                     |
| Lackland, Mary S.....     | 3552 Lindell avenue.                        |
| O'Fallon, Caroline R..... | Normandy.                                   |
| Pope, Annie E.....        | 1503 Chouteau avenue.                       |
| Ridgely, Mary L.....      | 2631 Washington avenue.                     |
| Scudder, Sarah.....       | Cote Brilliaute.                            |
| Tennent, Mary H.....      | 3016 Lucas avenue.                          |
| Vallé, Maud A.....        | 2710 Washington avenue.                     |
|                           | Total, 16.                                  |

## PRIMARY CLASS.

|                        |                         |
|------------------------|-------------------------|
| Barney, Maggie M.....  | 1335 Washington avenue. |
| Cabanne, Susie P.....  | Union avenue.           |
| Case, May.....         | 2327 Chestnut street.   |
| Copelin, Mary M.....   | Compton Hill.           |
| Daughaday, Annie.....  | 3108 Lucas avenue.      |
| Edgar, Laura.....      | 3411 Morgan street.     |
| Eliot, Ada.....        | 3047 Thomas street.     |
| Galbaugh, Daisy.....   | 1526 Wash street.       |
| Gibbs, Adeline S.....  | 2138 Eugenia street.    |
| Goddard, Alice H.....  | 3131 Lucas avenue.      |
| Guye, Lily.....        | 2004 Lafayette avenue.  |
| Haas, Mary A.....      | 1417 Lucas Place.       |
| Hospes, Minnie.....    | 1623 Salisbury street.  |
| McDonald, Helen M..... | 1230 Washington avenue. |

| NAMES                     | RESIDENCE                                     |
|---------------------------|-----------------------------------------------|
| Moore, Laura P.....       | 2730 Lucas avenue.                            |
| Nicholson, Mary E.....    | 1108 Garrison avenue.                         |
| Pocock, Annie.....        | 3107 Bell street.                             |
| Pocock, Jessie.....       | " " "                                         |
| Pope, Carrie F.....       | 1503 Chouteau avenue.                         |
| Post, Harriet M.....      | 3121 Lucas avenue.                            |
| Richards, Theoline T..... | { N. E. corner Grand and<br>Franklin Avenues. |
| Scudder, Belle W.....     | 1512 Lucas Place.                             |
| Scudder, Mary S.....      | Cote Brillante.                               |
| Shoemaker, Mary R.....    | Lindell Hotel.                                |
| Sprague, Lulu B.....      | Laclede Hotel.                                |
| Swan, Edith E.....        | 1622 Pine street.                             |
| Tenneut, Kate.....        | 3016 Lucas avenue.                            |
| Turner, Susan V.....      | 1706 Lucas Place.                             |
| Whitelaw, Emma S.....     | 2027 Park avenue.                             |
| Williams, Carrie.....     | 2930 Laclede avenue.                          |
| Willich, Daisy L.....     | 807 Catalpa street.                           |
| Wilson, Mary Ida.....     | 2706 Locust street.                           |
|                           | Total, 32.                                    |

## COURSE OF STUDY.

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### PRIMARY DEPARTMENT.

In this department careful instruction is given in the elementary studies usually pursued in schools of this grade. The course begins with the earliest studies of children, and includes Reading, Writing, Drawing, Geography, and the simple processes in oral and written Arithmetic. It is intended to secure such an alternation of study with physical exercises and singing as is suited to the age of the pupils.

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### PREPARATORY DEPARTMENT.

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#### FOURTH PREPARATORY CLASS.

##### FIRST TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate.

*Mathematics.*—Felter's Intermediate Arithmetic; Federal Money; Stoddard's Intellectual.

*Writing.*—Begun and continued through the course.

*Drawing.*—Begun and continued through the course.

*French.*—Chouquet's First Lessons.

*Vocal Music.*—Sight reading.

##### SECOND TERM.

*English Language.*—Reading and Spelling.

*Geography.*—Guyot's Intermediate; Blackboard Exercises.

*Mathematics*.—Felter's Intermediate Arithmetic; Stoddard's Intellectual.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Continued.

### THIRD PREPARATORY CLASS.

#### FIRST TERM.

*English Language*.—Reading and Spelling.

*History*.—Read Grandfather's Chair.

*Geography*.—Guyot's Intermediate Geography, with Oral Instruction and Outline Maps. Begin with Europe.

*Mathematics*.—Felter's Intermediate Arithmetic, beginning with "Measures of Space;" Stoddard's Intellectual, beginning at 47th page.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—As above.

#### SECOND TERM.

*English Language*.—Reading and Spelling.

*Geography*.—As found in History of United States.

*History*.—Read Grandfather's Chair.

*Mathematics*.—Written Arithmetic; Oral, continued.

*French*.—Chouquet's First Lessons; Florian.

*Music*.—Continued.

### SECOND PREPARATORY CLASS.

#### FIRST TERM.

*English Language*.—Reading, Spelling and Grammar.

*Geography*.—Text Book, with Drawing Maps on the Blackboard. Begin with South Atlantic States.

*History*.—Read Sewell's History of Rome.

*Mathematics*.—Stoddard's Intellectual Arithmetic, beginning at 63d page; Felter's Intermediate, beginning with Addition of Compound Numbers.

*French*.—Duffet's French Literature; Florian.

## SECOND TERM.

- English Language*.—Reading, Spelling and Grammar.  
*Geography*.—Guyot's Intermediate, reviewed.  
*History*.—Read Sewell's History of Rome.  
*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School, beginning at the 58th page.  
*French*.—As above.  
*Music*.—Continued.

## FIRST PREPARATORY CLASS.

## FIRST TERM.

- English Language*.—Reading and Spelling; Graded Lessons in English Grammar.  
*History*.—Higginson's United States; Geography.  
*Mathematics*.—Stoddard's Intellectual Arithmetic, beginning at the 89th page; Felter's Grammar School, beginning Fractions.  
*French*.—As above. Use Masson's Dictionary in this and subsequent classes.  
*Music*.—As above.

## SECOND TERM.

- English Language*.—Reading and Spelling; Graded Lessons in English Grammar.  
*History*.—Higginson's United States; Geography.  
*Botany*.—Oral Instruction and Analysis.  
*Mathematics*.—Stoddard's Intellectual Arithmetic; Felter's Grammar School.  
*French*.—As above.  
*Music*.—Continued.

## ACADEMIC DEPARTMENT.

## FIFTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Reading, Spelling and Defining; Higher Lessons in English.

*Geography*.—Gnyot's Common School.

*History*.—Read Dickens' England.

*Mathematics*.—Stoddard's Intellectual; Felter's Grammar School, beginning at Decimal Fractions.

*French*.—Fasquelle's First Course; La Fontaine; Duffet's French Literature.

*Music*.—Elementary Instruction; Simple Solfeggio.

*Drawing*.—Study of Perspective; Sketching simple objects.

## SECOND TERM.

*English Language*.—Reading, Spelling and Defining; Higher Lessons in English.

*History*.—Dickens' History of England, with study of Geography and Biography.

*Botany*.—Oral Instruction and Analysis.

*Mathematics*.—Oral and Written Arithmetic continued.

*French*.—As above.

*Music*.—Continued.

## FOURTH ACADEMIC CLASS.

## FIRST TERM.

*English Language*.—Grammar continued.

*History*.—St. Ouen's Histoire de France, or Barnes's Brief History.

*Mathematics*.—Arithmetic, beginning at Profit and Loss.

*Latin*.—Harkness's Introductory Latin Book; Oral and Written Exercises in translating English into Latin, throughout the course.

*French*.—Keetel's Grammar; La Fontaine; Duffet's French Literature.

*Music*.—As above.

*Drawing*.—Study of Perspective; Sketching simple objects.

#### SECOND TERM.

*English Language*.—Read and Study a Poem.

*History*.—Same as above.

*Mathematics*.—Algebra begun.

*French*.—As above.

*Music*.—Continued.

*Drawing*.—Continued.

### THIRD ACADEMIC CLASS.

#### FIRST TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra.

*Latin*.—Harkness's Grammar and Reader.

*Physiology*.—Huxley and Youmans'.

*French*.—Keetel's Grammar; Littérature Contemporaine; La Fontaine; Poètes Français by dictation.

*Music*.—Sight reading; Solfeggio; First principles of harmony.

*Drawing*.—Study of Form; Sketching.

#### SECOND TERM.

*History*.—Freeman's Outlines, with Geography.

*Mathematics*.—Algebra; Principles of Arithmetic reviewed, with Problems.

*Latin*.—Grammar and Reader.

*Natural History*.—Botany.

*French*.—As above.

*Drawing*.—Study of Form; Sketching.

*Music*.—Continued.

### SECOND ACADEMIC CLASS.

#### FIRST TERM.

*English Language*.—Shaksperian Reader.

*Mathematics*.—Geometry.

*Latin*.—Cæsar; Antiquities.

*Physics*.—Natural Philosophy.

*Geography.*—Review.

*Rhetoric.*—Hart's Composition and Rhetoric; English Grammar reviewed.

*French.*—Keetel's Grammar; Littérature Contemporaine; La Fontaine; Molière by dictation.

*Drawing.*—Study of Light and Shade; Cast Drawing.

*Music.*—As above.

#### SECOND TERM.

*English Language.*—Shaksperian Reader; Trench's Study of Words.

*Mathematics.*—Geometry.

*Latin.*—Cicero; Mythology.

*History.*—Review United States.

*Chemistry.*—Youmans' Class Book.

*French.*—As above.

*Drawing.*—As above.

*Music.*—Continued.

#### FIRST ACADEMIC CLASS.

##### FIRST TERM.

*English Language.*—Shaksperian Reader.

*History.*—Green's History of the English People.

*Belles-Lettres.*—Collier's English Literature.

*Astronomy.*—Lockyer's Elementary.

*Latin.*—Æneid.

*French.*—Littérature; Translate Vicar of Wakefield into French.

*Drawing.*—Study of Light and Shade; Cast Drawing.

*Music.*—Continued.

##### SECOND TERM.

*Latin.*—Æneid continued.

*Natural Science.*—Tenney's Geology.

*Practical Science.*—Martin's Civil Government.

*History.*—As above.

*Mathematics.*—Arithmetic Reviewed.

*French.*—Littérature; Translate Vicar of Wakefield into French.

*Drawing.*—Cast Drawing.

*Music.*—Continued.

## ADVANCED COURSE.

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Studies marked \* are, with the approval of the Principal of the Institute and of the College Faculty, elective, and will usually be recited in the College classes. In the regular course the pupil may take both German and French, or may choose between them.

### FIRST YEAR.

#### FIRST TERM.

*History.*—Smith's History of Greece.  
*English Literature.*—Selected Reading; Themes.  
*Philosophy.*—Hamilton's Metaphysics.  
*Physical Geography.*—Guyot's Earth and Man.  
*Mathematics.*—Trigonometry.\*  
*Natural History.*—Agassiz and Gould's Zoology.  
*French.*—Literature; Conversation.  
*Latin.*\*  
*Greek.*\*  
*German.*—Grammar.  
*Art.*—Drawing from Nature; Biography of Artists.

#### SECOND TERM.

*History.*—History of Greece, continued.  
*English Literature.*—Selected Reading; Themes.  
*Philosophy.*—Hamilton's Metaphysics, continued.  
*Mathematics.*—Analytical Geometry.  
*Natural History.*—Agassiz's Methods of Study in Natural History.  
*French.*—Literature; Conversation.  
*Latin.*\*  
*Greek.*\*  
*German.*—Maria Stuart; Goethe's Egmont.  
*Physics.*—Ganot's.\*  
*Art.*—Drawing; History of Schools of Art.

## SECOND YEAR.

## FIRST TERM.

*History*.—Bryce's History of the Roman Empire.

*English Literature*.—Schlegel's Dramatic Art and Literature;  
Themes.

*Political Economy*.

*Chemistry*.—Roscoe's.\*

*Mathematics*.—Mechanics.\*

*French*.—Literature; Conversation.

*Latin*.\*

*Greek*.\*

*German*.—Goethe's Iphigenia auf Tauris; Goethe's Faust.

*Physics*.—Ganot's.\*

## SECOND TERM.

*History*.—Bryce's History of the Roman Empire, continued.

*Philosophy*.—Jouffroy's Ethics; Evidences of Natural and  
Revealed Religion.

*Astronomy*.—White's.

*Mathematics*.—Mechanics.\*

*Physics*.

*French*.—Literature; Conversation.

*Latin*.\*

*German*.—Lessing.

*Vegetable Physiology*.

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Each pupil will be classed according to her attainments, and will be expected to pursue the prescribed studies of her class, except when excused by the Principal, who will be guided in this by the health and ability of the pupil. Young ladies, however, who may desire to prosecute special studies in the higher Academic or Advanced Classes, without taking the full course, can do so without interfering with the classification, by attending the recitations in those branches which they may elect. In such cases they will be excused from the other duties of the Institution, but the full tuition fee will be charged.

## TUITION.

|                                              |     |    |
|----------------------------------------------|-----|----|
| Primary Department, per term of 20 weeks.... | 835 | 00 |
| Fourth Preparatory Class. " " " " ....       | 40  | 00 |
| Third " " " " " " " " ....                   | 45  | 00 |
| Second " " " " " " " " ....                  | 50  | 00 |
| First " " " " " " " " ....                   | 50  | 00 |
| Fifth Academic " " " " " " " " ....          | 55  | 00 |
| Fourth " " " " " " " " ....                  | 60  | 00 |
| Third " " " " " " " " ....                   | 70  | 00 |
| Second " " " " " " " " ....                  | 80  | 00 |
| First " " " " " " " " ....                   | 80  | 00 |
| Advanced " " " " " " " " ....                | 80  | 00 |

These charges are for the current year only.

NO EXTRAS WILL BE CHARGED; except for Instrumental Music and Painting.

Graduates of this Institution are admitted to the Advanced Class without charge for tuition.

## BOARD.

Board may be found in good families on reasonable terms. Any persons willing to take young ladies as boarders are requested to leave their names and residences with some member of the Faculty.

For more particular information in respect to Mary Institute, reference may be made to the Principal or to any of the Faculty.

Such information can be given *at the present time* as will secure for pupils judicious care.

### III.—THE COLLEGE.

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#### FACULTY.

WM. G. ELIOT, D. D., *Chancellor.*

ABRAM LITTON, M. D.

CALVIN S. PENNELL, A. M.

SYLVESTER WATERHOUSE, A. M.

CALVIN M. WOODWARD, A. M.

GEORGE E. JACKSON, A. M.

MARSHALL S. SNOW, A. M., *Dean.*

WM. B. POTTER, A. M., E. M.

DENHAM ARNOLD, A. M.

JOHN H. JENKS, M. D.

JAMES K. HOSMER, Ph. D.

FRANCIS E. NIPHER, A. M.

JOHN K. REES, A. M., E. M.

## STUDENTS.

## SENIOR CLASS.

| NAMES.                       | RESIDENCE                 |
|------------------------------|---------------------------|
| Allen, Lyman Whitney.....    | 3107 Clark avenue.        |
| Eames, Wm. Sylvester.....    | 1224 Washington avenue.   |
| Ellot, Edward Cranch.....    | 2660 Washington avenue.   |
| Knox, Harris Edwin.....      | 705 N. Eighteenth street. |
| Shapleigh, John Blasdel..... | 1229 Washington avenue.   |
|                              | Total, 5.                 |

## JUNIOR CLASS.

|                               |                           |
|-------------------------------|---------------------------|
| Ford, Rochester.....          | 1017 N. Sixteenth street. |
| Goodlett, Wm. Campbell.....   | 1107 N. Twentieth street. |
| Hinckley, Walter Raleigh..... | Belleville, Ill.          |
| Ritterskamp, Louis Henry..... | 2341 State street.        |
|                               | Total, 4.                 |

## SOPHOMORE CLASS.

|                                |                                       |
|--------------------------------|---------------------------------------|
| Markham, George Dickson.....   | 1125 Valle avenue.                    |
| McLean, James Stafford.....    | { Washington, Franklin<br>County, Mo. |
| Mense, Charles Wood.....       | 3104 Morgan street.                   |
| Von Schrader, Otto Ulrich..... | 1315 Garrison avenue.                 |
| Webb, David Castleman.....     | 3523 Olive street.                    |
|                                | Total, 5.                             |

## FRESHMAN CLASS.

| NAMES.                       | RESIDENCE.                            |
|------------------------------|---------------------------------------|
| Baron, Julius.....           | 1214 South Fifth street.              |
| Dorsey, Montrose Pallen..... | Bunker Hill, Illinois.                |
| Hudson, Wm. Carlos.....      | { Corner Grand and Lafayette avenues. |
| Jackson, Edward F.....       |                                       |
| Kennett, George Clark.....   | 3658 Washington avenue.               |
| Johnson, Ledru Rollin.....   | 2835 Pine street.                     |
| Lafin, Sylvester H., Jr..... | Collinsville, Illinois.               |
|                              | 2834 Olive street.                    |
|                              | Total. 7.                             |

## STUDENTS NOT CANDIDATES FOR A DEGREE.

|                          |                         |
|--------------------------|-------------------------|
| *Clayton, Clarence.....  | Webster Groves.         |
| †Kellogg, E. Louise..... | 1233 Washington avenue. |
| ‡Mudd, Harry Gilmer..... | Kirkwood, Mo.           |
|                          | Total. 3.               |

\*Recites with Sophomore Class in all studies but Greek

†Latin and Mathematics.

‡French, German, Physics, Chemistry.

## TIMES AND CONDITIONS OF EXAMINATION FOR ADMISSION.

The regular examination of candidates for admission to the College will take place at University Hall, corner of Washington avenue and Seventeenth street, on *Monday and Tuesday, June 10 and 11, 1878*. Candidates will present themselves in Room No. 2 of the east wing, at 9 o'clock, A. M.

Every student not coming from the Academy must produce, before examination, proper testimonials of good moral character; and, if from another institution, a certificate of dismissal in good standing.

Candidates for admission to the Freshman Class will be examined in the following books:

### LATIN.

Cæsar's Commentaries, four books; the Æneid of Virgil, to Book VII; Cicero's Select Orations. Harkness's Grammar, including Prosody; Writing Latin.

### GREEK.

Goodwin's or Felton's Reader; Goodwin's or Crosby's Grammar, including Prosody; Writing Greek, with the accents.

### GERMAN.

Grammar and Reader; William Tell.

### MATHEMATICS.

Arithmetic; Algebra, through Quadratics; Davies's Legendre, six books.

### GEOGRAPHY AND HISTORY.

Modern and Ancient Geography; History of Greece and Rome. [Smith's or Pennell's Short Histories.]

### ENGLISH COMPOSITION.

The student will be expected to write a short composition upon some subject connected with the History of Greece or Rome.

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The subjects for examination on the first day will be—Latin, Greek, Arithmetic and Algebra.

On the second day—Geometry, German, History, English Composition.

NOTE.—Instead of the prescribed text-books, *real* equivalents will be accepted.

## COURSE OF STUDY.

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The studies of the Freshman year and the first term of the Sophomore year are all required. Certain studies are *elective* during the second term of the Sophomore year, and during the Junior and Senior years, as indicated below.

*All election of studies is subject to the approval of the College Faculty, and a request for such election must be presented in writing at the beginning of each term.*

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### FRESHMAN CLASS.

#### FIRST TERM.

*Latin.*—Livy; Exercises in writing Latin.

*Greek.*—Felton's Greek Historians; Exercises in writing Greek.

*Mathematics.*—Geometry, completed.

*History.*—Freeman's Outlines.

*German.*—German Prose and Composition.

*Elementary Ethics.*

*Themes and Declamation.*

#### SECOND TERM.

*Latin.*—Horace; Exercises in writing Latin.

*Greek.*—Panegyricus of Isocrates; Homer; Exercises in writing Greek.

*Mathematics.*—Higher Algebra.

*History.*—England.

*German.*—German Prose and Composition.

*Themes and Declamation.*

## SOPHOMORE CLASS.

## FIRST TERM.

*Latin*.—Cicero's Tusculan Disputations.

*Greek*.—Demosthenes de Corona.

*Mathematics*.—Trigonometry.

*History*.—England.

*French*.—Grammar; Histoire de France par G. Ducoudray;  
Composition.

*Themes and Declamation*.

## SECOND TERM.

## REQUIRED STUDIES:

*Latin*.—Juvenal; Terence; Plautus.

*Mathematics*.—Analytical Geometry.

*Physics*.

*History of English Literature*.—(Lectures.)

*French*.—Grammar; Ducoudray; Composition.

*Themes and Declamation*.

## ELECTIVE STUDIES:

*Greek*.

*History*.

## JUNIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Chemistry*.—Roscoe's.

*History*.—France. Read in the original some French author.

*Rhetoric*.—Lectures and Recitations; Study of Anglo-Saxon and Old English.

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES:

*Latin*.—Tacitus or Quintilian.

*Greek*.—Thucydides; Antigone of Sophocles.

*Mathematics*.—Analytical Geometry and Calculus.

*Physics*.

## SECOND TERM.

## REQUIRED STUDIES:

*Mathematics*.—Statics; Dynamics.

*Mineralogy and Geology*.—(Lectures and Recitations).

*Philosophy*.—Jevons's Logic.

*History*.—Read, in the original, some French author. History of French Literature. (Lectures.)

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES:

*Mathematics*.—Differential and Integral Calculus.

*Chemistry*.—Continued.

*Ancient Languages*.—Latin; Greek.

## SENIOR CLASS.

## FIRST TERM.

## REQUIRED STUDIES:

*Astronomy*.

*Philosophy*.—Hamilton's Metaphysics; (Recitations and Lectures.)

*History*.—Germany. Reading from French authors.

*English Literature*.—Shaw's Manual; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; (Recitations and Lectures.)

*Modern Languages*.—German.

*Themes; Orations*.

## ELECTIVE STUDIES:

*Ancient Languages*.—Latin; Greek.

*Practical Chemistry*.

## SECOND TERM.

## REQUIRED STUDIES:

*Ethics*.—(Recitations and Lectures.)

*Evidences of Natural and Revealed Religion*.

*Political Economy*.—Bowen; Rogers; Mill; Carey.—(Recitations and Lectures.)

*History*.—Constitutional History of England; U. S. Constitution; Elements of International Law.—(Recitations and Lectures.) Read some French author.

*English Literature*.—Shaw; Taine; Readings; Lectures.

*Modern Languages*.—German.

*Physiology*.—Lectures.

*Themes; Original Declamations.*

#### ELECTIVE STUDIES:

*Ancient Languages*.—Latin; Greek.

*Practical Chemistry.*

### EXAMINATIONS.

The instruction is by recitations and lectures, and the student's progress is tested by frequent and thorough written examinations.

### UNIVERSITY LECTURES.

A LECTURE ENDOWMENT FUND amounting to twenty-seven thousand dollars (\$27,000), has recently been created by one of the early friends of the University, Mr. WILLIAM HENRY SMITH, now a resident of Alton, Ills. It is given without any restrictions, except that the fund shall be increased, if practicable, by accruing interest, to \$30,000, and that no part of the principal shall be expended. The income is to be used for the support of lectures, with a view to the advancement of the interests of the University and the benefit of the public. The lectures will be free, so far as practicable, but an admission fee will be charged when circumstances require.

In accordance with the purposes of this fund, courses of lectures upon German and French Literature, History, Art in Education, Astronomy, Electricity, Mineralogy, and other suit-

able subjects, are delivered every year, and will be announced from time to time.

Some of these lectures are given in the Hall of the University to the general public; others, which may be called "*Class-Room*" or "*Instruction Lectures*," are given in smaller rooms, or in the Laboratories, to classes limited in number according to the nature of the subject treated, and are designed to furnish to all persons, whether connected with the University or not, instruction similar to that given in the Class Room work of the College and Polytechnic school.

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### LIBRARY.

Through the liberality of a number of citizens of St. Louis, an arrangement has been made by which the privilege of using the Mercantile Library has been extended, under prescribed conditions, to such members of the University as may be designated by the Chancellor.

### GYMNASIUM.

A gymnasium for the use of the students of the College and the Polytechnic School has been erected on the grounds of the University. It contains a bowling-alley and the ordinary apparatus for gymnastic exercises. A competent instructor gives regular training to the classes.

### SCHOLARSHIPS.

The payment of *one thousand dollars* entitles the contributor to found a scholarship, under which he may send one pupil each year, *for twenty-five years*, to the Academy, the College or the Polytechnic School. About forty such scholarships have been founded, and their whole number is limited to fifty.

Several of these scholarships have been founded with the view of filling them with students who are unable to pay the usual fees.

One *perpetual* scholarship, founded by the payment of \$5,000, and entitling the holder to all the advantages of all the Depart-

ments of the University forever, has been placed at the disposal of the Mercantile Library Association, with the recommendation "that when applicants for the scholarship are of equal merit, the preference shall be given to one from some mechanical pursuit."

One scholarship is also held by the ST. LOUIS HIGH SCHOOL, which entitles the student to free admission to the College, in accordance with a resolution of the Board of Directors when the College was organized.

A Trust Fund of \$30,000 has been accepted by the University, from the WESTERN SANITARY COMMISSION, for the establishment of TWENTY FREE SCHOLARSHIPS, in the College or the Polytechnic School, to be filled by children of descendants of Union soldiers who served in the late civil war. In default of such applicants, candidates will be nominated from the St. Louis High School or the Polytechnic Evening school, by the Superintendent of the St. Louis Public Schools and the Principal of the High School for the time being, and appointed by the University Board of Directors, after examination by the Faculty. Preference is given to those in straitened circumstances, and *no student is accepted or continued who is not of good moral character, who does not sustain satisfactory examinations, or who fails to comply with the rules of the Institution.*

From the same source a SUSTENTATION FUND of \$10,000 has been accepted, the income from which is expended for the aid of students in straitened circumstances, giving preference always to the descendants of Union soldiers, as above.

### DEGREES.

The degree of Bachelor of Arts is granted to those students who complete the full course of study; but no diploma is granted except after full examination of each applicant in all the studies for which the diploma is given.

The diploma fee is three dollars, payable in advance.

The degree of Master of Arts is conferred upon graduates of three years' standing, who present a satisfactory thesis on some subject of their own selection; the thesis to be sent to the Chancellor on or before the first day of June.

The diploma fee is five dollars, payable in advance.

## VACATIONS.

There is a winter vacation of eight days at Christmas, and a summer vacation following Commencement. See calender, page 3.

A handsome bequest has been received from a lady, with the condition that the *second Friday of May* shall be a perpetual holiday in the Institution.

## TUITION.

A matriculation fee of five dollars is charged, payable in advance.

The tuition in the College, for the present year, is \$50 per term of twenty weeks, payable in advance, if required, and always before the middle of the term, at the office of S. A. Ranlett, Treasurer of the University, 513 Olive street.

N. B. For tuition in Polytechnic School to graduates of the College, see page 15.

# IV.---O'FALLON POLYTECHNIC INSTITUTE.

OR

POLYTECHNIC SCHOOL.

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## FACULTY.

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WM. G. ELIOT, D. D., *Chancellor.*

ABRAM LITTON, M. D.

CALVIN M. WOODWARD, A. M., *Dean.*

MARSHALL S. SNOW, A. M.

WM. B. POTTER, A. M., E. M.

DENHAM ARNOLD, A. M.

CHARLES A. SMITH, C. E.

JOHN H. JENKS, M. D.

JAMES K. HOSMER, Ph. D.

FRANCIS E. NIPHER, A. M.

HALSEY C. IVES, *Artist.*

J. K. REES, A. M., E. M.

HERMAN MEISTER, E. M.

## STUDENTS.

## GRADUATE.

| NAME              | CLASS.                | SUBJECTS               |
|-------------------|-----------------------|------------------------|
| Jewett, Elliot C. | A. B., C. E..1874.... | Mining and Metallurgy. |

## SENIOR CLASS.

| NAME.                         | RESIDENCE.          | ROOM.             |
|-------------------------------|---------------------|-------------------|
| Burnet, Henry L., (I)*.....   | Carondelet.....     | 1403 Olive st.    |
| Burr, Edward F., (IV).....    | St. Louis.....      | 3412 Morgan st.   |
| Countryman, T. R. (IV)....    | Hastings, Minn..    | 2731 Eugenia st.  |
| Glasgow, Allan C., A. B (F) . | St. Louis.....      | 3015 Sheridan av. |
| Westermann, Edw'd H. (I) .    | Belleville, Ill.... | Belleville.       |

## JUNIOR CLASS.

|                                 |                 |                   |
|---------------------------------|-----------------|-------------------|
| Block, Henry W. (IV).....       | St. Louis.....  | 1632 Warren st.   |
| Breckinridge, Wm. Lewis, (I) .  | Alton, Ill..... | Alton.            |
| Buehner, Philip, (II).....      | St. Louis.....  | 2413 N. 13th st.  |
| Fry, Robert A., A. B., (III)... | St. Louis.....  | 1877 Wesley av.   |
| McKee, David, (IV).....         | Leavenw'th Ks.  | 214 Mullanphy st. |
| Melcher, Charles W., (II)....   | St. Louis.....  | 826 S. 14th st.   |
| Miller, Thomas D., (I).....     | Paris, Mo.....  | 2631 Locust st.   |
| Wilson, Newton R., (IV)....     | St. Louis.....  | 1009 Garrison av  |

## SOPHOMORE CLASS.

|                           |                     |                   |
|---------------------------|---------------------|-------------------|
| Abend, Alexander E.....   | Belleville, Ill.... | Belleville.       |
| Comstock, Wm. O., Jr..... | Greenfi'd. Mass..   | 2660 Wash'ton av. |
| Irwin, Myra.....          | Sigourney, Ia....   | 1409 Olive st.    |
| Nicholson, Frank.....     | Kansas City....     | Wash'n Univers.   |
| Primm, Lewis J. C.....    | Belleville, Ill.... | Belleville.       |
| Rosenheim, Alfred F.....  | St. Louis.....      | 3042 Locust st.   |

\*The Roman numerals after the names indicate the Courses of Study pursued by the Students, according to the arrangement on Page 71.

## FRESHMAN CLASS.

|                             |                     |                     |
|-----------------------------|---------------------|---------------------|
| Bremermann, Robert G.....   | St. Louis.....      | 928 Winter st.      |
| Bryan, William H.....       | Washington, Mo..... | 1909 Carr st.       |
| Burnet, Samuel F.....       | Carondelet.....     | 1403 Olive st.      |
| Button, Alfred A.....       | St. Louis.....      | 1402 N. 14th st.    |
| Flad, Edward.....           | St. Louis.....      | 1119 Valle av.      |
| Gass, Frank Winslow.....    | St. Louis.....      | 1512 Olive st.      |
| Hall, Edmund.....           | St. Louis.....      | 3609 N. Ninth st.   |
| Jaynes, William V.....      | Sedalia, Mo.....    | 2647 Wash'tn av.    |
| Mallinckrodt, Emil, Jr..... | St. Louis.....      | 3722 N. 12th st.    |
| Parker, Russell.....        | Oak Hill.....       | Oak Hill.           |
| Perkins, Nathan W., Jr..... | St. Louis.....      | 1503 Chestnut st.   |
| Raeder, Osear W.....        | St. Louis.....      | 1905 Warren st.     |
| Russell, S. Bent.....       | Oak Hill.....       | Oak Hill.           |
| Shaub, Julius W.....        | St. Louis.....      | 1512 2d C'delet av. |
| Shepley, George F.....      | St. Louis.....      | 1518 Wash'ton av.   |
| Wangelin, Walter.....       | Belleville.....     | Belleville.         |
| Weber, Julius H. W.....     | St. Louis.....      | 1709 S. Eighth st.  |

## STUDENTS\* NOT CANDIDATES FOR A DEGREE.

| NAME.                 | SUBJECT.                                               | RESIDENCE.          |
|-----------------------|--------------------------------------------------------|---------------------|
| Chauvenet, Wm. Marv.. | Min'g & Metal'gy..                                     | 2703 Lucas av.      |
| Merrell, Emma M.....  | { Descriptive Geo-<br>metry & Draw'g. }                | 2346 Chestnut st.   |
| Tallman, Maria E..... | { Descriptive Geo-<br>metry, Drawing,<br>and French. } | Lafay'te P'k Hotel. |
| Wilson, E. May.....   | { Descriptive Geo-<br>metry & Draw'g. }                | 311 High st.        |
| Vaile, Jules.....     | { Physics.<br>Chemistry. }                             | 2710 Wash'ton av.   |

\*In addition to the Students whose names are here given, a large number of persons have received instruction in Painting and Drawing (both Free-hand and Mechanical). It is impossible at present to give a full list of these names, and a partial list is omitted as likely to convey a false impression.

## SUMMARY.

|                                  |    |
|----------------------------------|----|
| Graduates .....                  | 1  |
| Seniors.....                     | 5  |
| Juniors.....                     | 8  |
| Sophomores .....                 | 6  |
| Freshmen.....                    | 17 |
| Not Candidates for a Degree..... | 5  |
| Total.....                       | 42 |

## CONDITIONS OF ADMISSION.

Candidates for the Freshman Class must be at least sixteen years old.

With the exception of graduates of colleges of good standing, all applicants for admission to any class will be examined in the following studies:

1. English Composition, including the use of Language, Spelling, Punctuation, Paragraphing, and the use of Capital Letters. Each applicant will be required to write a brief essay on an assigned subject. *A reasonable knowledge of composition will be held essential to the privilege of further examination.*

2. Physical and Modern Political Geography.

3. American History, up to the close of the war of 1812. White's Landmarks of English History, or an equivalent.

4. Human Anatomy and Physiology.

5. Arithmetic, including, besides Fractions and Denominate Numbers, the Metric System and Percentage.

6. Algebra, including Fundamental Rules, Factoring, Fractions, Simple Equations, Involution, Evolution, Radicals, Quadratic Equations, and the use of Logarithms.

7. Geometry, Plane and Solid, as much as is contained in the first six books of Chauvenet's Geometry (omitting the more unusual propositions).

8. Geometrical Drawing, as much as is contained in Warren's Draughting Instruments, or the first fifty pages of Mahan's Industrial Drawing. Drawings neatly finished by the students themselves, if done in India ink and on good drawing paper, may be presented as evidence of instrumental skill. Whatman's

"Imperial" drawing paper may be used, and each sheet may be divided into four equal "plates."

9. Natural Philosophy, as much as is contained in the first half of Well's Natural Philosophy, or in Rolfe and Gillett's "Handbook of Natural Philosophy."

10. A knowledge of German (or of French) sufficient to enable one to read easy prose at sight.

11. Latin. The student must be able to construe a passage from the Latin Reader or from Cæsar.

Candidates for the Sophomore Class must be at least seventeen years old, and must pass a satisfactory examination upon the studies of the Freshman year, as well as upon the work just mentioned. Similar requirements will be made of students desiring to enter the Junior or Senior Classes. The regular times of admission are at the end of the Spring Term in June, and at the beginning of the Fall Term in September (see calendar); but students will be received at any time, provided they are prepared to enter existing classes. Students not qualified to enter this department will join the Preparatory Scientific classes in the Academy. (See page 29.)

The Faculty of the Polytechnic School have adopted the plan of a

#### DIVIDED EXAMINATION,

in accordance with which students who propose to enter the Freshman Class in the summer of 1879, may present themselves in June or September, 1878, for examination on the studies in which they are then proficient: provided, they are prepared to be examined on not less than four of the topics named in the conditions of Examination. A record of such examinations, will be kept, and when the same students present themselves the next year they will be credited with the work done at the first examination. The object of this arrangement is to avoid the excessive mental strain which is apt to result from an examination on so many subjects in so short a time.

The examination for admission will occupy two days.

The subjects for examination the first day will be, English Composition, Physical Geography, Arithmetic, History and Algebra.

On the second day the subjects will be, Geometry, Physiology, Natural Philosophy, German, French, or Latin, and Drawing.

## COURSES OF STUDY.

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The regular courses of study and instruction in this school extend through four years, and five of them are intended to prepare students for professional work, either as engineers, chemists or architects. It is not assumed, however, that all who avail themselves of these advantages for professional study will actually become professional men. On the contrary, it is fair to expect that less than one-half of the professional graduates will ultimately adopt engineering in any one of its branches as their path of labor. But it is expected that those who complete any of the following courses of study will exhibit that mental discipline which enables one to undertake the solution of the problems of business life; and that they will possess such knowledge of the physical world as will fit them to turn to good account the wealth with which they are surrounded.

The best discipline is often secured through the agency of professional studies. Every such study has a practical bearing, and in a student's mind is invested with a strong sense of responsibility. Hence springs an idea of moral and physical obligation to be faithful and thorough. The noblest fruit of education is this sense of responsibility and accountability. With its acquisition the youth becomes a man, the "unwilling school-boy" enters upon what he feels to be the serious work of his life.

The special merit of an "office" education,—*i. e.* the training to be gained in a lawyer's, a doctor's or an engineer's office, in the counting-room, or in a factory—is due to the fact that there the student deals with the problems of real and not ideal life. The obvious importance of every step in a process stamps it ineffaceably upon the mind. To a certain extent this is true of professional studies in a Polytechnic School.

On the other hand, our students are free from the cramping narrowness which is the characteristic demerit of a business training. At school, the professional student is led to the study of the finest examples of professional theory and practice, both in the present and past ages, with the greatest possible range of subjects. The growth of mind under such cultivation is very great compared with that to be gained from the utmost familiarity with the petty details of a single ordinary office.

It is for these reasons that students looking forward to a non-professional, business-life are often advised to follow some congenial course of professional study.

However, to meet the wants of those who desire a better knowledge of Physics, the Natural Sciences (so-called) and Modern Literature than is afforded in any one of the professional courses, a course of study in "SCIENCE AND LITERATURE" has been adopted, and, by authority of the Board of Directors, was published for the first time last year. Its satisfactory completion entitles a student to the Degree of "Bachelor of Philosophy." Its requirements are thought to be fully up to those of the professional courses; this shows that though anxious to offer every inducement and facility for advanced education, the Faculty of the School believe in maintaining its high standard of scholarship and attainment.

Among other novel features of this course of study will be noticed an excellent opportunity for the systematic study and practice of Art and Design. It is believed that the course in "Science and Literature" is suited to the wants of young women as well as young men.

The courses are six in number, viz:

- I. A COURSE IN CIVIL ENGINEERING.
- II. A COURSE IN MECHANICAL ENGINEERING.
- III. A COURSE IN CHEMISTRY.
- IV. A COURSE IN MINING AND METALLURGY.
- V. A COURSE IN BUILDING AND ARCHITECTURE.
- VI. A COURSE IN SCIENCE AND LITERATURE.

The studies are the same for all the courses during the Freshman and Sophomore years, but during the Junior and Senior years they diverge more or less, though certain branches still remain common.

Special students will be received in any of the courses, if it is made clear that such arrangements are the best for the students, and not prejudicial to the interests of the department. The distribution of studies and exercises is substantially as follows:

### FRESHMAN CLASS.

#### FIRST TERM.

*Mathematics*.—Geometry (Chauvenet's) completed.

*Physics*.—Natural Philosophy.

*German*.—Grammar and Reader.

*History*.—Civil Government; United States Constitution.

*Free-Hand Drawing*.

*Mechanical Drawing*.—From Flats and Models. Use of Scales, Tracing, and Construction of Plates, Lettering, etc.

*English*.—Declamation and Composition; Rhetoric.

*Drawing* (Study of Design) may be taken in place of *Shop-Work*.

*Shop-Work*.—Use of Carpenter's Tools; Construction of Trusses, Frames and Models.

#### SECOND TERM.

*Mathematics*.—Higher Algebra.

*Physics*.—(Ganot's) Pneumatics, Heat, Acoustics.

*French*.—Otto's Grammar; French Prose.

*Free-Hand Drawing*.—Continued as First Term.

*Descriptive Geometry*.—Orthographic Projections. Problems of Points, Lines and Planes.

*History*.—England.

*English*.—Declamation and Composition; Shakspeare.

*Shop-Work*.—As First Term.

*Field-Work*.—As assistants to JUNIOR CLASS in *Surveying*.

*Ethics*.—Lectures.

## SOPHOMORE CLASS.

## FIRST TERM.

*Mathematics*.—Plane and Spherical Trigonometry (Chauvenet's).

*Physics*.—(Ganot continued.) Optics. Electricity, Magnetism, and Meteorology; Laboratory Practice.

*Descriptive Geometry*.—Warped Surfaces; Tangency, Intersection of Surfaces; Construction of Paper and Zinc Models.

*Theoretical Chemistry*.—Roscoe's, with Lectures.

*Practical Chemistry*.—Eliot and Storer's Manual.

*Free-Hand Drawing*.—Machinery, Casts, etc.

*Mechanical Drawing*, Line and Brush Shading.

*English*.—Histoire de France, par G. Ducoudray. (Written and Oral Translation.)

*Shop Work*.—Turning of Wood and Metals; Screw Cutting; Construction of Models.

## SECOND TERM.

*Mathematics*.—Analytical Geometry.

*Surveying*.—Chain and Compass Surveying; Leveling and Transit Surveying; Adjustment and Use of Instruments in the Field.

*Descriptive Geometry*.—Spherical and Isometric Projections; Shades and Shadows; Perspective.

*Practical Chemistry*.—Qualitative Analysis.

*Mineralogy and Geology*.—Lectures.

*Free-Hand and Mechanical Drawing*.—Machinery and Architecture; Original designs.

*Physics*.—Laboratory Practice.

*Shop Work*.—Continued.

## I.—COURSE IN CIVIL ENGINEERING.

## JUNIOR CLASS.

## FIRST TERM.

*Mathematics*.—Differential Calculus (Peck's).

*Descriptive Geometry*.—Applications to Masoury, Carpentry, and Machinery.

*Civil Engineering*.—Railway Curves, Turnouts, etc.. (Henck's Field Book); Estimation of Volumes of Earth and Stone Work. Rankine's Applied Mechanics, Part II.

*Shop Work*.—Forge Work; Practical Stone Cutting; Construction of Arches, etc., in Plaster.

*Geology*.—Dana's Manual; Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Drawing*.—Models, Arches, etc.; Shading.

*Ethics*.—Recitations and Lectures.

## SECOND TERM.

*Mathematics*.—Integral Calculus; Analytic Mechanics.

*Civil Engineering*.—Railroad Engineering; Location of Roads, Estimation of Volumes, etc.; Field Work; Statics of Framework, and Cords of Equilibrium. Rankine's Applied Mechanics Part II.

*Masonry*.—Practical stone cutting.

*Drawing*.—Machines, Profiles, Bridges, etc.

*English*.—Modern Literature.

*Shop Work*.—Strength of Materials and of Frames.

## SENIOR CLASS.

## FIRST TERM.

*Civil Engineering*.—Rankine's Manual of Civil Engineering, supplemented by lectures following Baker, Bell, Winkler and Maxwell; and the use of Graphical Statics.

- Mechanics*.—Rankine's Applied Mechanics. Selections from Weisbach's Mechanics of Engineering.  
*Laboratory Practice*.—Construction of Trusses and Ribs for Bridges and Roofs.  
*Drawing*.—Of Constructions from Actual Measurement.  
*Astronomy*.—White's Elements.  
*English*.—Themes.

## SECOND TERM.

- Civil Engineering*.—Structures of Wood, Stone and Iron; Designing, Computing and Estimating Cost of the parts of Bridges, Roofs, etc.  
*Mechanics*.—Statics, Kinematics, Principles of Mechanism, Dynamics.  
*Laboratory Practice*.—Testing Strength of Structures; Photography.  
*Drawing*.—Designs of Structures.  
*Political Economy*.—Bowen, Rogers, Mill, Carey; (Recitations and Lectures.)  
*Practical Astronomy*.—Use of Instruments; Determination of Time, Latitude and Longitude.  
*English*.—Graduation Thesis.

## II.—COURSE IN MECHANICAL ENGINEERING.

## JUNIOR YEAR.

## FIRST TERM.

- Mathematics*.—Differential Calculus (Peck's).  
*Descriptive Geometry*.—Applications to Masonry, Carpentry, and Machinery.  
*Machinery*.—Rankine's Applied Mechanics Part II. Principles of Mechanism; Rankine's Machinery and Mill Work.  
*Geology*.—Dana's Manual; Lectures.  
*Practical Chemistry*.—Qualitative Analysis.  
*Shop-Work*.—Forge Work; Testing Strength of Wood and Iron; Machine Work; Practical Stone Cutting; Construction of Arches, etc.; Work in the Machine Shop.

*Drawing*.—Machinery and Models.

*Ethics*.—Recitations and Lectures.

#### SECOND TERM.

*Mathematics*.—Integral Calculus; Analytic Mechanics.

*Machinery*.—Rankine's Applied Mechanics, Part II; Gearing;  
Rankine's Machinery and Mill Work.

*Drawing*.—Machine Drawing, continued.

*English*.—Modern Literature.

*Shop-Work*.—Continued.

#### SENIOR YEAR.

##### FIRST TERM.

*Machinery*.—Study of Different Machines; Strength of Materials.

*Mechanics*.—(Rankine's Applied Mechanics continued; Selections from Weisbach's Mechanics of Engineering.)

*Drawing*.—Of Working Machinery.

*Astronomy*.—White's Elements.

*English*.—Descriptions of Structures, etc.

*Shop-Work*.—Machine Work; Construction of Toothed Wheels.

##### SECOND TERM.

*Machinery*.—Designing and Computing the Parts of Machines required to perform Particular Work; Construction and Management of Engines; Rankine's Prime Movers.

*Mechanics*.—Theoretic Study of the Prime Movers; Water-wheels and Engines; Stress, Kinematics; Theory of Mechanism; Dynamics.

*Drawing*.—Designs of Machines.

*Political Economy*.—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English*.—Graduation Thesis.

### III.—COURSE IN CHEMISTRY.

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#### JUNIOR YEAR.

*Theoretical and Organic Chemistry.*—Lectures.

*Qualitative Analysis.*—Fresenius, Gallaway, Eliot and Storer, and Bunsen.

*Quantitative Analysis.*—Fresenius.

*Mineralogy.*—Blowpipe Analysis and Determination of Species.

*Geology.*—Dana's with Lectures.

*Laboratory Practice.*—From four to six hours daily.

#### SENIOR YEAR.

*Chemistry, Analytical and Applied.*—Daily instruction in the Laboratory. Actual Chemical Work, embracing Pharmaceutical Preparations for the Laboratory and Apothecary; Methods of Determining the Value of Drugs; Assays on Ores of Lead, Silver, Gold, Zinc, Antimony, Copper, Nickel, Cobalt, etc.; Examination and Analysis of Metals, Soils, and Ashes; Examination of Poisons, Uses and Value of Manures.

*Political Economy.*—Bowen, Mill, Rogers, Carey, Recitation and Lectures.

*Preparation of Thesis for Degree of Chemist.*

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### IV.—COURSE IN MINING AND METALLURGY.

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#### JUNIOR YEAR.

*Mathematics.*—Differential and Integral Calculus.

*Descriptive Geometry.*—Applications to Masonry and Machinery.

*Engineering.*—Statics of Frames and Trusses; Strength of Materials, Beams, Girders, and Columns; Applications to Buildings and other structures; Hydrostatics and Hydrodynamics; Rankine's Applied Mechanics, Part II.

*Chemistry*.—Qualitative and Quantitative Analysis; Lectures and Laboratory Practice.

*Geology*.—Lithological, Cosmical, Physiographic. Historic and Dynamic.

*Mineralogy*.—Blowpipe Examination of Minerals.

*Mining*.—Modes of Occurrence of Useful Minerals; Examination of Mineral Lands, etc.

Mining Tools, Tunneling and Sinking Shafts, Timbering and Walling Mines.

Underground Transportation; Hoisting Engines. Cages. Cars, Man Engines, etc.

Visits to neighboring Coal, Iron, Lead and Zinc Mines.

*Metallurgy*.—General Metallurgy—Classification of Processes; Furnaces; Modes of Construction: Refractory Building Materials, Natural and Artificial; Manufacture of Fire-bricks, etc.

Nature of Combustion.

Draft—Natural and Artificial; Chimneys. Fans. Blowing Engines, etc.

Fuels—Classification of, and Methods of Computing Calorific Power; Manufacture of Charcoal, Coke, etc.

Special Metallurgy—Iron and Steel, Physical and Chemical Qualities; Description of Various Direct and Indirect Methods of Production; Preparation of Ores.

Blast Furnace—Form, etc.; Hot Blast Stoves; Lifts, etc.

Manufacture of Wrought Iron—Bloomingeries, Forges. Rolling Mills, etc.

Manufacture of Steel—Puddled, Cementation, Cast, Bessemer Metal.

Visits to Iron and Steel Works. Forges, Rolling Mills, Foundries, etc.

*Assaying*.—Lectures and Laboratory Practice; Examination of Fuels and Refractory Materials.

*Drawing*.—Profiles; Crystals; Plans and Sections of Mines and Mining Machinery; Furnaces: Apparatus and Machinery of Smelting Works, etc.

#### SUMMER VACATION.

Memoir on some given subject, and Journal of Travels during the vacation to Mining or Metallurgical Districts.

## SENIOR YEAR.

*Mining*.—Ventilation, Natural and Artificial; Measurement of Ventilation and Work done by Ventilators.

Accidents—Fires in Mines, etc.

Mechanical Preparation of Ores; Stamps, Mills, Separators, Jigging Machines, etc.; Washing and Dressing of Coal, etc.

General Management of Mines, etc.

*Engineering*.—Prime Movers; Study of Water-wheels and Turbines; Steam Engines and Boilers; Designs and Estimates.

*Chemistry*.—Quantitative Analysis of Ores, Coals, Fire Clays, Pig Iron, Slags, etc.

*Assaying*.—Lectures and Laboratory Practice, Ores of Lead, Silver, Gold, Tin, Antimony, Copper, Nickel, Cobalt, Gold and Silver Bullion.

*Economic Geology*.—Occurrence and Distribution of Ores; Iron, Lead, Copper, etc.; Character, Uses and Distribution of Coal, Lignite, Peat, Petroleum, Salt, Clays, Building Stones, Fertilizers, etc.

*Metallurgy*.—Copper: Swedish, English and Mixed Methods; Extraction by Wet Way.

Zinc—English, Belgian and Silesian Processes; Manufacture of Oxide.

Lead—Description of Various Processes; Extraction of Silver from Lead; Pattisonage; Zinc Method; Cupellation.

Silver—Amalgamation; Smelting; Extraction by Wet Way.

Gold—Washing; Amalgamation; Smelting; Extraction by Wet Way.

Tin—Preparation of Ores; German and Cornish Methods of Extraction.

Metallurgy of Platinum, Aluminum, Mercury, Arsenic, Antimony, Bismuth, Nickel, Cobalt.

Examination of Metallurgical Works.

*Blowpipe Analysis*.—Quantitative: Lectures and Laboratory Practice; Assay of Ores of Gold, Silver, Lead, Copper, etc.

*Mechanics*.—Rankine's Applied Mechanics.

*Drawing*.—Machines, Furnaces, Mines, etc.

*Projects.*—Plans for the Establishment and Working of Mines and Smelting Works, under given conditions, with Drawings, Estimates and written Memoirs.

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## V.—COURSE IN BUILDING AND ARCHITECTURE.

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### JUNIOR YEAR.

*Architectural Designs.*—The Elements of Design; the Principles of Composition; Examination of Architectural Works.

*Descriptive Geometry.*—Applications to Masonry, Carpentry, and Machinery; Groined and Cloistered Arches; Domes, Stairways, etc.

*Mathematics.*—Differential and Integral Calculus.

*Physics.*—Laboratory Practice; Experiments in Heat, Optics, and Acoustics; Strength of Materials.

*Geology.*—Dana's Manual; Lectures.

*Practical Chemistry.*—Qualitative Analysis.

*Drawing.*—Exercises in "Designing;" Plans, Elevations, Sections, and Details; Ornament Sketching from Buildings.

*English.*—Composition; Descriptions of Prominent Buildings, etc.

### SENIOR YEAR.

*Architecture.*—Composition; History of Architecture; Specifications, Contracts, Estimates, Details of Superintendence.

*Engineering.*—Stability of Structures; Stress; Strength and Stiffness of Girders, Pillars, etc.; Foundations, Walls, Roofs; Building Materials.

*Mechanics.*—Principles of Statics; Rankine's Applied Mechanics.

*Shop-Work.*—Practice in Testing Materials, Ventilation, Warming etc.; Modeling in Plaster and Wood; Framing in Wood and Iron.

*Drawing.*—Designing Architectural Ornaments; Architecture; Landscape; Designs for Particular Structures; Drawing from Memory.

*Political Economy.*—Bowen, Mill, Rogers, Carey; (Recitations and Lectures.)

*English.*—Graduation Thesis.

## VI.—COURSE IN SCIENCE AND LITERATURE.

## JUNIOR YEAR.

## FIRST TERM.

*Mathematics*.—Differential Calculus.

*Rhetoric*.—Recitations and Lectures; Study of Anglo-Saxon and Old English.

*Geology*.—Manual and Lectures.

*Practical Chemistry*.—Qualitative Analysis.

*Physics*.—Lectures and Laboratory Practice; Kohlrausch's Physical Measurements.

## ELECTIVES.

Students must elect one subject from each of the following groups:

- |   |   |                                                                                           |
|---|---|-------------------------------------------------------------------------------------------|
| a | { | <i>Descriptive Geometry</i> .—And its Applications.                                       |
|   |   | <i>Botany</i> .—Lectures, Recitations and Field Work.                                     |
|   |   | <i>Blowpipe Analysis</i> .—Examination of Minerals.                                       |
| b | { | <i>Mechanical Drawing</i> .—Machine Drawing; Brush Shading.                               |
|   |   | <i>Free Drawing</i> .—Sketching from Nature; Use of India Ink and Sepia; Study of Design. |

## SECOND TERM.

*Mathematics*.—Integral Calculus and Its Applications.

*Physics*.—Continued as first term.

*Logic*.—Jevons's *Logic*.

## ELECTIVES.

Students will elect two of the following subjects:

*Mechanical Drawing*.

*Artistic Design*.

*Practical Chemistry*.

*French; German*.

## SENIOR YEAR.

## FIRST TERM.

*Mechanics*.—Rankine's Applied Mechanics; Recitations and Lectures.

*Astronomy*.—White's Elements.

*English Literature*.—Shaw's Manual; Taine; Reading of Chaucer, Shakespeare, Spencer, Milton, etc.; Recitations and Lectures.

## ELECTIVES.

Students will elect two of the following subjects:

*Physics*.—Continuation of Study, and Laboratory work.

*Metaphysics*.—Hamilton; Recitations and Lectures.

*Design*.—Drawing, Painting and Art study.

*Practical Chemistry*.—Quantitative Analysis.

*Natural History*.

## SECOND TERM.

*Mechanics*.—Continued.

*Political Economy*.—Bowen, Rogers, Mill, Carey; Recitations and Lectures.

*English Literature*.—Continuation of first term's work.

*Physiology*. Lectures.

*Thesis*. For Graduation and Degree.

## ELECTIVES.

Same subjects as the first term of this year.

## ACCOMMODATIONS.

It is thought that ample accommodations exist for 200 students in this Department of the University. Each building is fitted up in the most substantial manner, and new appliances and facilities are procured as fast as the want of them is clearly seen.

The Drawing, Lecture, and Laboratory rooms are spacious, well lighted and well ventilated.

## CIVIL AND MECHANICAL ENGINEERING.

The School is well fitted with the necessary apparatus for illustrating the principles of Civil and Mechanical Engineering. A fine Plane table, made in Germany, has also been purchased, for the purpose of doing nice work in Topographical Drawing. An extensive collection of Photographs of Bridges, Locomotives, Machines, etc., hang upon the walls of the Lecture and Drawing Rooms; while the Model Room contains models of Bridges, Water-wheels, Roofs, Arches, Girders, Electric Signals, etc., besides a two-horse power Steam-engine and a large number of the more unusual combinations of machinery.

The "Testing Machine," employed by the Illinois & St. Louis Bridge Company, for determining the modulus of elasticity of cement and other building materials, now in possession of the University, is in frequent use by the students. By actual experiment they learn the strength of wood, iron, steel, stone, brick, etc. Students are employed in experiments and investigations where such work can be carried on to their advantage.

The instruction in all branches is given from text-books when practicable, supplemented by lectures and practical work. Great pains is taken to give the best engineering practice, both European and American, and to keep pace with the great advances made on all sides in every department of physical science. Special prominence is given to the use of "graphical methods," which are now so usefully supplementing the processes of computation.

Hence advantage is taken of the excellent opportunities offered in St. Louis and vicinity for the study of applied science. Through the kindness and courtesy of railroad officers, engineers, commissioners, and business men in general, both professors and students have generally had free passage over railroads, on expeditions for scientific purposes; easy access to all engineering works in process of construction, whether bridges or water-works; and ready admission to machine shops, foundries, rolling-mills, furnaces, and manufactories of all kinds. These visits and expeditions have always proved to

be of great value, the tendency of such a combination of study and observation being to train not mere \*theorizers, but practical, far-seeing business men.

### THE COURSE IN MINING AND METALLURGY.

This branch of the Polytechnic School, organized in September 1871, has been in full operation during the last six years. Its object has been to supply some means for the acquiring of a thorough knowledge of the theory and practice of those operations in mining and metallurgy which are to play such an important part in the development of the resources of our country. And it must be evident that few, if any, places in the country possess so many and so great advantages for the successful working of such a department as the city of St. Louis—a great and growing commercial and manufacturing center in the midst of and within easy access of nearly all varieties of mining and metallurgical operations.

The studies during the first two years are the same as in other special courses, somewhat general and elementary in character, preparatory to the special work of the course on mining and metallurgy, to which the remaining two years are devoted. The plan of instruction includes lectures and recitations on the various subjects pertaining to the course; practical work in the Physical, Chemical and Metallurgical Laboratories; field-work in Geology, etc.; projects, estimates and plans for the establishment of mines and metallurgical works; examination of, and reports on, mines and manufacturing establishments.

### THE COLLECTIONS,

containing over TWELVE THOUSAND SPECIMENS, embrace models of crystals, and specimens illustrating the various minerals and rocks and their associations; ores, coals, petroleum, fire clays, building materials, etc., from many parts of this country and Europe; characteristic fossils of the different geological ages; metallurgical products illustrating the various operations in the treatment of ores by the wet and dry methods. Models of furnaces and mine constructions will, in time, be added, together with sets of mining tools and instruments. These collections are used to illustrate lectures, etc., and are at all times

accessible to the students, so that they may become thoroughly familiar with the character and modes of occurrence of the minerals, rocks and ores, they are likely to meet with in the field and the various products in metallurgical operations.

#### THE ASSAY LABORATORIES

are kept in full working order, completely furnished with crucible, scorification and cupelling furnaces, and everything necessary for practical work in the assay of ores of lead, silver, gold, iron, tin, etc.; also volumetric apparatus for the assay of silver coin and bullion by the wet methods. The general principles as well as the special methods of assaying are explained in the lecture rooms, and at the same time ores of the various metals exhibited and described. From a large stock of these ores from various parts of the country the students are required to make a large number of assays themselves, under the immediate supervision of the instructor. In the

#### CHEMICAL LABORATORIES

a practical course is pursued in connection with lectures on qualitative and quantitative analysis; the students being required to make tests and full analyses of coals, limestones, ores of iron, copper, lead, zinc, nickel, pig-iron, clays, technical products, etc., that they may acquire a practical experience in the chemical examination of the materials and products liable to be met with in practice.

An assistant is in constant attendance upon the students in the assay and metallurgical laboratories, to aid them in the practical work assigned.

#### VISITS TO MINES, WORKS, ETC.

Every opportunity is afforded the students through the term for visiting and examining the various mines, smelting and manufacturing establishments in the vicinity. During the summer vacation they are required to visit some mining or metallurgical district, and, at the opening of the following term, to hand in a journal of travels, with a report of the operations conducted there, illustrated with drawings. Before

receiving the degree of Engineer of Mines, they will be required to execute plans or projects for the establishment and working of mines or smelting works under given conditions, with drawings, estimates and written memoirs.

An endeavor is thus made to combine thorough practical with theoretical instruction in this course, and to fit the student for the successful practice of his profession hereafter, and for a field of usefulness in the country at large.

### CHEMICAL LABORATORY.

The chemical building contains three work-rooms, besides a Lecture Room, the Professor's Room, and two rooms for storage and apparatus. Besides, two large rooms in the basement of the new wing have been fitted up for Assaying and Industrial Chemistry. Students who propose to become professional chemists spend almost their entire time during their third and fourth years in the Laboratories.

### PHYSICAL LABORATORY WORK,

As a feature in education, is becoming a more and more important item in the study of Physics. A large room about forty-two feet square, on the third floor, is appropriated to this use. All the physical apparatus is arranged in cases round the room. Large tables are fitted up for the purpose of enabling the students to perform certain assigned experiments in Mechanics, Pneumatics, Heat, Optics, Acoustics and Electricity. They go to different tables to perform different experiments; and whenever a series of similar experiments are made, the results of observation are compared with the theory by the graphical method of curves. Students are encouraged to perform original experiments, and old experiments by new methods, and in all cases great pains is taken to secure carefully-written reports of all the work done.

The aim in this part of the instruction is, not to give the student information about Physics, but to give him an insight into the methods and means used in physical investigation.

## MANUAL EDUCATION.

In the Courses of Study as arranged above, the word "Shop-work" has been used to include a systematic course of instruction and practice in the use of the tools most common to the trades. During the past year this work with tools has been greatly extended, and the facilities for it have been greatly increased. The old Dormitory building has been transformed into shops and store-rooms.

## WOOD-WORKING SHOP.

A second-story room, fifteen feet wide and thirty-six feet long, is fitted with work-benches, drawers and tools for twenty students. Each student has about four feet of bench room, a vise, a cupboard, and a tool drawer, containing planes, chisels, a saw, a square, a hatchet, a gauge, and some special wood-carving tools. Tools less frequently used are kept in the "general" drawers. An office for the instructor, two closets for the finished work, and a store-room for lumber, complete the attachments to this shop. The room is lighted through six windows and is warmed by a stove.

## MACHINE SHOP.

The first story is also fifteen by thirty-six feet, and is furnished with a fair set of machinists' tools. It has work benches, with iron vises, and tools for twelve students. The machines are:

An Engine Lathe, with slide rest, back-gear, and screw cutting arrangement.

A single Lathe, with slide rest, for turning either wood or metals.

A plain Lathe with circular saw attachments.

A light wood Lathe.

A velocipede Scroll-Saw.

A Planer, capable of dressing a piece seven inches square and nineteen inches long.

A Gear Cutter for cutting the teeth on Spur, Bevel, and Screw-Gearing wheels. All these machines are driven by hand or foot.

## BLACKSMITH'S SHOP.

In the basement, which has been paved and furnished with plenty of light, is the room for Blacksmithing. This shop con-

tains a portable forge, supplied with an efficient hand blower. The capacity of the forge is equal to the welding of bars of iron one and a half inches square. This shop has all essential tools for forge work.

It is but due to the wise liberality of one who had already shown himself a generous friend to the University, to say that the means for fitting up these shops was contributed by Mr. Gottlieb Conzelman, of St. Louis. Provision is now necessary for their permanent support.

The capacity of these shops is for teaching purposes greater than at first appears. Two consecutive hours will probably be the limit of a lesson, and four lessons a day to different classes would be quite possible. Now, not taking any account of a possible evening class in the wood-working shop, nor of a still more feasible Saturday class in either shop, twenty lessons could be given each week in each of the large shops. One shop accommodates twenty students, the other twelve, making a detail of thirty-two students. At the rate of two lessons, or four working hours per week to each student, (which is perhaps enough to begin with), we should be able to receive ten details of thirty-two students each, or three hundred and twenty students!

All the shops are in use at present, and all the regular polytechnic students devote to shop work an average of two afternoons per week. A class of about thirty advanced students from the Academy has been formed, which will practice in the Wood-working shop twice a week.

Mr. Thomas H. Burrige, an expert mechanic, has been temporarily engaged as instructor in shop-work, and Mr. C. D. Kellogg acts as assistant in working wood.

As at present arranged, no branch of study has been omitted from the theoretical work, in consequence of the addition of the shop-work. This is to be clearly understood. The standard of scholarship has not been lowered. A knowledge of practical matters and the ability to use tools, should supplement, not displace, abstract and theoretical work. Theory and practice must go hand in hand.

"The palm of superiority, by an unfailing law, will surely go to that country where the *hand of the laborer is guided by a cultivated taste and a scientifically-trained intellect.*"

It is not proposed to teach any special trade or calling, nor will any of the products of the shop have a marketable value. The shop must look to other sources for its supporting income.

It is believed that, to all students, without regard to plans for the future, the value of the training which can be got in shop-work, spending only from four to twelve hours per week, is abundantly sufficient to justify the expense of materials, tools and expert teachers.

#### PROPOSED MECHANICAL COURSE.

It is very well understood that many students cannot wisely undertake the full course of intellectual study now laid down for regular classes. Our requirements for admission are high, but our standards of promotion and graduation are still higher. It occasionally happens that students who have special aptitudes in certain directions find great difficulty in mastering certain subjects in other directions. In such cases it is often the best course to yield to natural tastes, and to assist the student in finding his proper sphere of work and study. A decided aptitude for handicraft is not unfrequently coupled with a strong aversion to and unfitness for abstract and theoretical investigations. There can be no doubt that in such cases more time should be spent in the shop and less in the lecture and recitation room.

The adoption of this principle would soon lead to the formation of a class in what might be termed the "*Mechanical Course*," whose students should work in the shop daily three or four hours, following at the same time a somewhat abridged course of study.

It is earnestly hoped that means will speedily be found to establish such a class, in the shape of a Branch Polytechnic School, in connection with new and larger instruction shops. While it might at first withdraw students from our regular classes, the result would be improved scholarship, and ultimately larger numbers in the regular classes. Moreover, a year in such a class would be of very great service in developing one's natural aptitudes.

## PLAN OF ART DEPARTMENT.



A—Painting, Drawing and Designing Room.

B & C—Mechanical and Architectural Drawing Rooms.

D—Private Studio.

E—Elevator.

## ART AND DESIGN.

The Art Department of Washington University now affords an opportunity, not only to members of regular classes of the various Departments of the institution, but to special students of Art, for acquiring a knowledge of the laws governing the harmonious arrangement of form and color, as applied to the productions of Art manufacture.

There are so many branches of the Arts of Design peculiarly adapted to the mind and hand of woman, that they seem to fall naturally into her domain. Her lightness of touch and feminine grace, educated by the study of Drawing and the principles of Decorative Design, would give an impulse to taste in the embellishment of home, and gradually bring beauty and refinement in Design into every house.

From the large number who have already taken advantage of the class lectures and lessons given by those in charge of this Department, it is deemed advisable to offer a more extended course, the aim of which shall be the systematic training of all who may desire, in a knowledge of the principles and practice of the Arts of Design.

The course is the result of a careful personal examination of the various Schools of Art and Design, and Industrial Art Schools of Great Britain and France, as well as our own country. It will be seen that a person pursuing such a course, will be well fitted for the work of an architect's assistant, a teacher, or be enabled to enter upon a thorough course of Art study as a profession.

Ladies pursuing a course of study in Art, are not required to work with regular University students, who come to the Department for instruction, but are given a place in a room set apart for the use of special Art students.

Pupils may take any section of the course, either Drawing, Modeling, Ornament, Painting, Design or Wood Carving, but are advised to attain by practice a sufficient power and freedom of execution, to enable them to draw accurately whatever may be placed before them.

Wood Carving has been introduced and will be taught in single or class lessons, as desired. The results of several years'

work in wood in the Cincinnati School of Design, the only school where the practical value of the work has been fully tested, show that it is work specially adapted to women. They have the deftness and accuracy, and rapidly acquire the strength and skill necessary for the work. Wood Carving is one of the beginnings of Decorative Art with us, and whether taken up as a recreation or as a means of support, is equally satisfactory. Statistics show that of pupils earning money by doing any sort of Art work learned at school, a fair proportion come from the carving class. Carving to order proves lucrative, and the demand for trained teachers exceeds the supply.

Since it is becoming a necessity with us that our houses shall be finished and furnished artistically, artistic hand-work of this sort, possessing originality and beauty of design, must have a market value that can be relied upon.

Special instruction will be given to those desiring it, in any of the studies in the course, but persons desiring to fit themselves for teaching, or practical art work, will be required to follow a given course.

To such students a certificate of proficiency will be given at any stage of progress; an Art Diploma to those who complete a course in a special direction. Such certificate or diploma will be given only to those who may pass a satisfactory examination by a committee of competent judges, either of the faculty of the University or others.

In order that those who are fitting for the profession of teaching may become familiar with its duties, the Professor in charge is authorized to appoint the most competent to assist in elementary instruction.

There are two terms in the year—the first commencing the first Monday in October, and ending in February; the second commencing the first Monday after the tenth of February, and continuing throughout the academic year.

Special arrangements may be made as to rates and time of lessons, by applying to the Professor in charge.

The Department is under the immediate charge and supervision of Prof. Halsey C. Ives, assisted by competent teachers.

## EVENING CLASSES.

During the past two years, free evening classes have been formed, to which have been given lessons in Drawing and Design, and lectures on Art History, and kindred subjects. It is hoped that provision may be made for continuing such classes, as the occupation of many persons is such as to prevent their pursuing a course of study during the day.

All finished work must be left in the school, or if removed by special permission, must be returned before the close of the school year, for final examination by the committee appointed for that purpose.

It is not intended that the Department shall be self-supporting. To make it so would necessitate raising the tuition fee to an amount that would place it beyond the means of many persons who find it possible to pursue a course of study at the terms stated.

Aid is solicited, that the fees may be fixed at a much lower rate.

Any person giving to the Department the sum of \$3,000, to be held by the Directors, will be entitled to the privilege of sending a succession of free students during a term of twenty years. When one student's attendance ceases another may be nominated.

## THE COURSE OF INSTRUCTION

Pursued in the Drawing Department during the past year by students of the Polytechnic School, is as follows:

The elementary work is based upon the belief that a system commencing with geometric forms, will cultivate a habit of accuracy, which naturally leads the student to rely upon his judgment, and enables him to act as his own critic.

In the first stage, organic forms—animals, plants, etc., are not employed as models. The student is first taught, by having the simplest exercises placed before him, the right method of using his instruments.

Great care and attention is given to each student during this stage, that no bad habits may be formed, which afterwards prove so difficult to eradicate.

When sufficient skill is acquired in the construction of the ordinary problems of plane geometrical drawing, including a

knowledge of the practical use of the straight line, circle, and tangent and their direct application to proportion — problems are given in the elementary construction necessary to geometrical pattern drawing and tracery.

This completed, the student begins the representation of simple, solid bodies, by means of plan, elevation and section.

Students are also required to execute similar work *freehand*, (entirely without the aid of mechanical means), upon the black-board and paper, from copies, from memory and from dictation.

Their attention is then directed to plant forms and other objects in nature, from which they make selections of such parts as may be best adapted to a geometrical arrangement, to fill a given space ornamentally.

With the beginning of the Freshman year, freehand drawing from the "round" or solid is practiced, first in outline, then in shading with charcoal. In the first stages of freehand shading, there is but little attempt made at finishing work — the student is urged to gain the power of expressing rapidly a clear idea of the object before him by means of his drawing, rather than to attempt an artistic production.

Instruction in the conventional use of color and the use of the brush in shading, as applied to mechanical and architectural drawing, is taken up at this stage of the work.

Regular students of the Sophomore class use as models, during the time allotted to freehand work, parts of machinery, casts of ornaments, etc. During the first term they spend some time in sketching from nature. The time devoted to Mechanical Drawing is spent in line and brush shading, lettering, etc.

During the second term, the time is devoted to Machinery, Architectural and Map Drawing. During the past year a course in sepia painting has been partly introduced in the work of this class.

The Junior class in Civil Engineering work from models, arches, etc., finishing with pen and ink, India ink with brush, and also practice sepia and water color painting.

The Senior class in Civil Engineering devote the time allotted to drawing, in finishing drawings from actual measurement and the designing of structures. The drawings are executed with pen and ink, brush shading in sepia or India ink and water color.

The course pursued by the classes in Mining Engineering differs only in the objects used as models. The Juniors execute drawings of profiles, crystals, plans and sections of mines and mining machinery, furnaces, apparatus and machinery of smelting works.

Seniors execute similar work from actual measurement of constructions.

The whole number, including special students and those not pursuing other studies, who have received instruction in Drawing, Painting and Design, during the past year, is 301. Of this number forty-three were members of an evening class, to whom were given a course of thirty-six lessons and lectures on Drawing and Art; two have pursued the study of Drawing, Water Color Painting and Design, with examination in the historic styles of ornament; ten have devoted their time to Drawing from the antique and Sketching from nature; and two to Oil Painting.

The rest of the number are members of classes in the institution and pursue the course of study as described above.

Of elementary work about 500 exercises have been preserved. Of examples of freehand outline and shaded drawing, tinting, line drawing, water color and sepia painting, about 300.

This number does not comprise the entire work, as much of the freehand elementary work is executed upon the blackboard.

In the higher classes, the work has of necessity assumed more of an elementary character than had been originally expected, as but few of the students have had the advantage of a sound elementary training.

The end sought in class work has been to raise the standard of excellence of the whole, rather than, by special effort, to urge a few on to proficiency.

During the past year there have been added to the collection of models and examples for the use of classes, the following articles:

- 1 set of 48 plates of Building and Construction.
- 1 set of 24 plates of Machine Drawing.
- 1 set of colored plates, giving parallels of Historic Ornament, from the Egyptian down to the Renaissance and Gothic styles.

1 set of Drawing Models, several casts from the antique, and parts of machinery.

### ELEVATOR.

For the use of ladies and visitors to the fourth floor, an elevator driven by hydraulic pressure has been built, and is now ready for use at all times.

### EXAMINATIONS AND THESES.

The Examinations in the Polytechnic School are frequent and rigid, and, whenever it is possible, in writing. Upon them chiefly the teachers rely for information of the progress of the students. No promotions to higher classes are made except upon conclusive evidence that the antecedent subjects have been well mastered. Reports of the standing of individual students will be made by the Dean of the Faculty to parents or guardians, if such are requested.

Every applicant for a degree, besides passing satisfactorily all his examinations, must present a Thesis—an original essay, review, or investigation—upon some subject, professional or otherwise, connected with the course of study he has followed. The Thesis must be accompanied with all necessary general and detailed drawings. All such Theses and drawings are left in charge of the University.

The object of requiring a Thesis is mainly to secure evidence of the student's fitness to receive a degree; consequently a high standard of excellence is rigidly adhered to. Incidentally the Theses furnish much valuable information to be used at the University by professional students, graduates, and all engaged in professional work.

### DEGREES.

No student will be recommended for a degree who has not passed all his examinations successfully, and handed in such projects or theses as may be required. The diploma fee is three dollars, payable in advance. The degrees corresponding to the six Courses of Study are:

- I. The Degree of "Civil Engineer."
- II. The Degree of "Mechanical Engineer."
- III. The Degree of "Chemist."
- IV. The Degree of "Engineer of Mines."
- V. The Degree of "Architect."
- VI. The Degree of "Bachelor of Philosophy."

### TUITION.

Tuition is \$50 per term of twenty weeks, payable in advance if required, and always before the middle of the term. Students in Chemistry will be supplied with apparatus and chemicals at the standard prices, and will be credited with all they return in good order.

### DISCIPLINE.

The School is encumbered by very few rules. Regularity, promptness, a cheerful compliance with every detail of the daily programme, and the manners and habits of a gentleman, are expected of every student. The records of scholarship are based upon scholarship alone. Misdemeanors of whatever sort are met with reproof or censure; but cases of persistent neglect of any duty, or flagrant misbehavior, require temporary suspension, or complete dismissal from the University.

### BOARD AND LODGING.

Students living at a distance from the University have no difficulty in securing rooms and board at reasonable rates. Students wishing accommodations, and housekeepers wishing boarders, are requested to communicate with the Dean.

### EXPENSES.

The minimum expenses of maintaining a student in this school one year is about as follows:

|                                              |          |
|----------------------------------------------|----------|
| Tuition.....                                 | \$100 00 |
| Rent of Room.....                            | 20 00    |
| Board, Fuel and Washing, at \$5 per week.... | 200 00   |
| Books, Instruments, etc.....                 | 30 00    |
| Total.....                                   | \$350 00 |

## SCHOLARSHIPS.

Students of limited means will notice the provisions of the "Western Sanitary Commission Free Scholarships," "Sustentation Fund," and of other Scholarships on pages 62 and 63.

LECTURES. LITERARY SOCIETIES. LIBRARY. AND.  
GYMNASIUM.

(For information on these points, see pages 61 and 62).



## DAILY PROGRAMME OF EXERCISES IN THE POLYTECHNIC SCHOOL.—SECOND TERM, 1877-78.

| CLASS                   | Hour  | MONDAY.            | TUESDAY.           | WEDNESDAY.         | THURSDAY.         | FRIDAY.           |
|-------------------------|-------|--------------------|--------------------|--------------------|-------------------|-------------------|
| SENIOR.<br>Civil Eng.   | 9-10  | Civil Engineering. | Civil Engineering  | Civil Engineering  | Civil Engineering | Civil Engineering |
|                         | 10-11 | .....              | Political Economy  | Political Economy  | Political Economy | .....             |
|                         | 11-12 | Applied Mechanics  | Applied Mechanics  | .....              | Applied Mechanics | Applied Mechanics |
|                         | 12-1  | Physiology.        | .....              | Shop Work          | .....             | Drawing.          |
|                         | 1-2   | Drawing            | .....              | Shop-work          | Drawing.          | Drawing.          |
| SENIOR.<br>Mining Eng.* | 2-4   | Shop work          | .....              | .....              | .....             | .....             |
|                         | 9-10  | Mining.            | Mining.            | Metallurgical Lab. | Mining.           | Metallurgical Lab |
|                         | 10-11 | .....              | Metallurgy         | Engineering        | Economic Geology  | Metallurgy        |
|                         | 11-12 | Applied Mechanics  | Applied Mechanics  | .....              | Applied Mechanics | Applied Mechanics |
|                         | 12-1  | Physiology         | Engineering        | Metallurgy         | .....             | Drawing.          |
| JUNIOR.<br>Civil Eng    | 1-2   | Drawing            | Shop-work          | Chemistry          | Drawing           | Engineering.      |
|                         | 2-5   | Chemistry.         | Shop-work          | Chemistry          | Pract. Geology    | Chemistry         |
|                         | 9-10  | Calculus.          | Calculus           | Masonry            | Calculus          | Masonry.          |
|                         | 10-11 | .....              | .....              | Eng Literature     | Masonry           | .....             |
|                         | 11-12 | Engineering        | Civil Engineering. | Engineering        | Civil Engineering | Engineering       |
| JUNIOR.<br>Mining Eng * | 12-1  | Drawing            | .....              | Shop-work          | .....             | Civil Engineering |
|                         | 1-2   | Drawing.           | Drawing            | Shop-work          | Drawing.          | Drawing.          |
|                         | 2-4   | Shop-work          | .....              | .....              | .....             | .....             |
|                         | 9-10  | Calculus           | Calculus           | Masonry            | Calculus          | Masonry           |
|                         | 10-11 | Metallurgy         | Blow-piping        | English Literature | Masonry           | Blow-piping.      |
| JUNIOR.<br>Mining Eng * | 11-12 | Engineering        | Metallurgy         | Engineering        | Metallurgy        | Engineering       |
|                         | 12-1  | Drawing            | Economic Geology   | Blow-piping        | Economic Geology  | .....             |
|                         | 1-2   | Drawing            | shop-work.         | Drawing            | .....             | Drawing.          |
|                         | 2-5   | Chemistry          | shop-work          | Chemistry          | Pract. Geology    | Chemistry         |
|                         | ..... | .....              | .....              | .....              | .....             | .....             |

| CLASS.                | Hour                                                   | MONDAY.                                        | TUESDAY.                                | WEDNESDAY.                         | THURSDAY.              | FRIDAY.                            |
|-----------------------|--------------------------------------------------------|------------------------------------------------|-----------------------------------------|------------------------------------|------------------------|------------------------------------|
| JUNIOR.<br>Mech. Eng. | 9-10                                                   | Calculus.....                                  | Calculus.....                           | Masonry.....                       | Calculus.....          | Masonry.....                       |
|                       | 10-11                                                  | Mechanical Eng. ....                           | Mechanical Eng. ....                    | Eng. Literature .....              | Masonry.....           | Mechanical Eng. ....               |
|                       | 11-12                                                  | Engineering.....                               | .....                                   | Engineering.....                   | Drawing.....           | Engineering.....                   |
|                       | 12-1                                                   | Drawing.....                                   | Shop-work.....                          | Shop-work.....                     | Shop work.....         | Drawing.....                       |
|                       | 1-2                                                    | Drawing.....                                   | Shop-work.....                          | Drawing.....                       | Shop-work.....         | Drawing.....                       |
|                       | 2-4                                                    | .....                                          | Shop work.....                          | .....                              | Shop work.....         | .....                              |
| JUNIOR.<br>Chemistry. | Qualitative Analysis every day, from 9 till 2 o'clock. |                                                |                                         |                                    |                        |                                    |
| SOPHOMORE             | 9-10<br>10-11                                          | { Physical Lab'y.....<br>Pract. Chemistry..... | { Pract. Chemistry.....<br>Drawing..... | Mineralogy & Geol.<br>Drawing..... | Pract. Chemistry.....  | Mineralogy & Geol.<br>Drawing..... |
|                       | 11-12                                                  | Chemistry.....                                 | Drawing.....                            | Gymnastics.....                    | .....                  | Gymnastics.....                    |
|                       | 12-1                                                   | Surveying.....                                 | Descrip Geometry.....                   | Surveying.....                     | Surveying.....         | Descrip. Geometry.....             |
|                       | 1-2                                                    | An. Geometry.....                              | An. Geometry.....                       | Descrip. Geometry.....             | An. Geometry.....      | An. Geometry.....                  |
|                       | 2-4                                                    | .....                                          | Shop-work *.....                        | .....                              | Shop-work *.....       | .....                              |
| FRESHMAN.             | 9-10                                                   | History.....                                   | Physics.....                            | Physics.....                       | Descrip. Geometry..... | Physics.....                       |
|                       | 10-11                                                  | Higher Algebra.....                            | Higher Algebra.....                     | Descrip. Geometry.....             | History.....           | Higher Algebra.....                |
|                       | 11-12                                                  | Gymnastics.....                                | .....                                   | .....                              | Gymnastics.....        | .....                              |
|                       | 12-1                                                   | Ethics.....                                    | Drawing.....                            | Drawing.....                       | Drawing.....           | .....                              |
|                       | 1-2                                                    | French.....                                    | French.....                             | French.....                        | French.....            | Elocution.....                     |
|                       | 2-4                                                    | .....                                          | .....                                   | Shop-work.....                     | .....                  | Shop-work.....                     |

\* Drawing and Design may be taken in the place of Shop-work.

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---

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## ELEMENTARY SCHOOL

OF THE

O'FALLON POLYTECHNIC INSTITUTE.

In its early action the O'Fallon Polytechnic Institute, as a department of the University, established free evening schools in St. Louis, to meet the pressing demands of the community for general education, although its original design was merely to furnish technological instruction. Under the pressure of an existing need, it then extended educational facilities, through its evening schools, to all worthy applicants, in every branch of study, trusting to the Public School Board to relieve it, finally, of those studies which more appropriately belong to the common school system. In the course of a few years that Board entered upon the work with efficiency, assuming for a time one-half, and subsequently the whole expense of the enterprise. The free evening schools of St. Louis are the direct outgrowth of the O'Fallon Polytechnic Institute.

During the year 1868 a fuller and permanent arrangement was made with the Public School Board, whereby the elemental and popular technological studies are taught free to all applicants. The school so established is known as the "O'Fallon Polytechnic School," and is one branch of the O'Fallon Polytechnic Institute.

The O'Fallon Polytechnic Institute, therefore, as a department of the University, has a two-fold organization: the higher or more advanced studies being taught in the University buildings, corner of Washington avenue and Seventeenth street, and the more elemental at the Polytechnic building, corner of Chestnut and Seventh streets.

The University instruction is under the exclusive direction and management of the Directors and Faculty of the University,

and, as a school of pure and applied science, covers the whole scientific work of the University, including such elemental instruction as circumstances may require. It is daily becoming a more prominent feature of the University, and a building has been erected adjoining the College building on Washington avenue, at a cost, including the ground and apparatus, of \$100,000, for its permanent use. The Evening School is under the immediate supervision and control of the Board of Public Schools of St. Louis.

There are no fees for admission to the evening classes, inasmuch as, through the liberality of some of our citizens, the University has been enabled, by a permanent agreement with the Public School Board, to secure perpetually free instruction, enlarged class-room facilities, and increased library and other privileges, to all the pupils of the O'Fallon Polytechnic School, "with special reference to the wants of those engaged in, or preparing for, mechanical or other industrial pursuits."

The Institute, therefore, is now on a firm and enduring basis: effecting, even beyond the most sanguine expectations of its patrons, the early and permanent success of their beneficent views. Every apprentice, journeyman, clerk, or other person, who wishes instruction in the elements of technology, as needed for the workshop, mines, etc., can now have the same, free of charge, in the Polytechnic School, established for the purpose, and may secure for himself library and advanced educational facilities in one or the other divisions of the Institute.

There has been no change in the plan of the Institute, but its efficiency is increased. Working in cordial co-operation, the University and the Board of Public Schools have, by a permanent contract, given to the common schools higher elevation and more enlarged usefulness, and to the University itself a closer connection with the educational needs of the times. The title of the Polytechnic Building is vested in the School Board, and that edifice is devoted to popular education—the cause for the promotion of which, in a somewhat limited sense, it was erected. All who were originally to have the benefit thereof are still included and provided for within the existing organization; and thus they have obtained at once what otherwise might have been postponed for an indefinite period, through lack of means.

THE AMES LIBRARY remains as before, except that by its connection with the Public School Library it has more than two-fold its former advantages. It will continue to bear the name of one who, in his sincere devotion to the work of educating properly the laboring classes, furnished means for effecting the end—a name which, with that of O'Fallon, will ever be associated with education in America, in every department thereof, from the common schools to the higher walks of University culture.

# EVENING SCHOOL

AT THE

POLYTECHNIC BUILDING,

*Cor. Seventh and Chestnut Sts.*

---

## TEACHERS.

---

WM. D. BUTLER, *Principal.*

J. W. HALL, *Assistant.*

J. S. STEVENSON, *Assistant.*

GRACE C. BIBB, *Assistant.*

SCOTT H. BLEWETT, *Assistant.*

R. J. DELANO, *Assistant.*

J. A. YOUNG, *Assistant.*

L. W. ALLEN, *Assistant.*

WILLIAM DEUTCH, *Assistant.*

J. L. CARLISLE, *Assistant.*

## STUDENTS.

## NAMES.

Abbott, Wm. H.  
 Achstedter, Peter  
 Adams, Frank  
 Alewel, H. W.  
 Amann, Gideon E.  
 Anderson, Ed. S.  
 Anderson, Eli  
 Appel, Chas. A.  
 Arnold, Ernest G.  
 Atkinson, Robert  
 Auerback, Fannie  
 Auerback, Ignatz  
 Applegate, Florence  
 Achstedter, Peter  
 Albin, Robert  
 Albin, J. J.  
 Beiser, John  
 Barney, Buena Vista  
 Bowe, Mary  
 Butler, Casper  
 Baldwin, Ed. S.  
 Barrett, John  
 Bauer, Emilie  
 Bauer, Louis  
 Beck, Ed.  
 Behring, Wm. F.  
 Beiling, Aug. M.  
 Belt, W. R.  
 Berle, Theodore  
 Bertero, James J.  
 Blackford, Chas. H.  
 Bloss, August

## NAMES.

Bock, John  
 Breidenback, Emil  
 Brill, Fred.  
 Beison, Karl  
 Boyd, James  
 Brinckman, Ed.  
 Brooke, Jos. H.  
 Brown, H. W.  
 Bracken, William  
 Brunswick, B.  
 Burns, Walter S.  
 Byrne, E. F.  
 Byrne, D. A.  
 Blount, Carrie A.  
 Bond, J. T.  
 Boyle, Alice M.  
 Brod, Henry  
 Brown, Ben.  
 Byrne, John J.  
 Boyle, Miss A. M.  
 Biebusch, W. T.  
 Berger, W. E.  
 Benno, John  
 Bobbette, W. A.  
 Casey, Patrick  
 Collins, John J.  
 Coolidge, Jay W.  
 Coons, John W.  
 Costa, Jas. J.  
 Coy, Fred.  
 Curl, Fred. W.  
 Charliss, W. H.

## NAMES

## NAMES

Cohen, J. T.  
 Dalton, H. H.  
 Daly, Jos. B.  
 Denbach, William  
 Dinkelmann, Chris.  
 Dockery, John J.  
 Doepke, J. F. W.  
 Donahue, Matth.  
 Dower, John  
 Drake, C. L.  
 Degnan, Jos. B.  
 Drown, C. P.  
 Duffy, James M.  
 Dunn, Thomas Y.  
 Durkin, John A.  
 De Steiger, Edward  
 Dyer, Ida E.  
 Elbery, Rudolph  
 Engel, Ed. W.  
 Eschbacher, Jacob  
 Elstermann, Silesia  
 Falkenhainer, Arthur  
 Fandi, John  
 Fausch, Anton  
 Feickert, Louis  
 Finan, Thomas  
 Fisch, Augusta  
 Fisher, H.  
 Fish, Albert G.  
 Floyd, John E.  
 Folk, F. W.  
 Foster, Robert  
 Frunkel, U. S.  
 Frederick, John J.  
 French, James  
 Frank, R. M.  
 Friedman, M.  
 Fruchter, Amelia

Ferguson, A. M., Mrs.  
 Ferguson, Annie  
 Gibson, Jas.  
 Garner, Rudolph  
 Glynn, William  
 Giesler, Miss  
 Grundrich, Mrs.  
 Garnett, Geo. H.  
 Gessler, Emile W.  
 Geyer, Fred.  
 Goerner, Hugo G.  
 Goessman, Chas. A.  
 Gould, W. F.  
 Grady, T. J. O.  
 Granville, F. W.  
 Gratian, Simeon  
 Green, Elias  
 Griffiths, Thos. M.  
 Gaffron, W. C.  
 Garnett, W. K.  
 Geslinger, G. A.  
 Goeling, Edward  
 Gebken, John  
 Godlove, W. A.  
 Hagerty, Jos. E.  
 Hagerty, Michael  
 Hall, Arthur J.  
 Handley, E. R.  
 Handley, Jas.  
 Harinann, Gustave  
 Harrison, Margaret M.  
 Hauck, Chas.  
 Healey, Frank  
 Healey, Gus.  
 Heet, B. H.  
 Hegans, John  
 Heckelmann, O. F.  
 Hecker, Oscar

## NAMES.

Hecker, Wm. A.  
 Heintz, Emile  
 Henekler, Edmund  
 Henn, Jacob  
 Hendricks, T. B.  
 Henry, H.  
 Herman, Chas.  
 Hildreth, Henry W.  
 Hodge, A. J.  
 Hodges, John  
 Hoelyle, George  
 Hoffman, Ernest C.  
 Hofman, Clement  
 Holdsworth, John W.  
 Howard, C. W.  
 Hufuegel, Chas. P.  
 Heitlin, Theresia  
 Handley, Mary  
 Hild, Joseph  
 Heithans, Herman  
 Hawkin, John F.  
 Hawkin, Sam  
 Hoppe, Antonia  
 Hoyle, George A.  
 Imman, Oscar  
 Jacot, Aristides H.  
 Jaeger, Elbert  
 Johnson, R. F.  
 Jolly, Augustus  
 Jones, Fred.  
 Jones, Nat. A.  
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 Kargus, Casper  
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## NAMES.

Kerr, J. W.  
 Kettenbach, H.  
 Kodorp, Lina  
 Kingsley, Chas. E.  
 Klein, T. J.  
 Kleinschmidt, Chas.  
 Klag, John  
 Klunder, Herman  
 Knoch, Ulrich  
 Koerner, Albert  
 Koerner, Ernest  
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 Klaes, Tony  
 Langbein, Theo.  
 Lague, George  
 Laverdure, Alfred  
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 Leiper, John  
 Leon, Julius  
 Levy H.  
 Lindlen, E. L.  
 Linseler, Robert  
 Longman, J. B.  
 Ludivigs, George  
 Lund, J. D.  
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 Lissner, Albert  
 McCabe, John F.

## NAMES.

McCarthy, James  
 McCarty, F. W.  
 McGowan, Thomas.  
 McGrath, Ed.  
 Magill, J. W.  
 Magner, P. J.  
 Malone, Harriss  
 Manning, D. A.  
 Mardorf, Herman  
 Margraf, Aug.  
 Martin, R. H.  
 Martin, Julius  
 Meyer, L. G.  
 Meyer, W. F.  
 Michener, F. E.  
 Michener, H. M.  
 Miller, J. S.  
 Miller, Clara R.  
 Miller, William  
 Miller, J. H.  
 Miller, G. O.  
 Mockler, W. J.  
 Moeckel, Louis  
 Mohan, J. F.  
 Moller, J. H.  
 Morgenthauer, C. N.  
 Mulholland, E. J.  
 Murdoch, W. L.  
 Myers, M. M.  
 Myers, P. T.  
 Moxey, Cyrus  
 Mohelhardt, L. E.  
 Matthews, W. L.  
 McDermott.  
 Martin, J. T. D.  
 Main, Ed.  
 Monteith, George  
 Nelson, A. P.

## NAMES.

Nessler, Albert  
 Neusel, A. V.  
 Niedt Otto  
 Nicolice, Fred.  
 Nolte, J. H.  
 Nolte, Albert  
 Neff, W. B.  
 Neuhaus, W. J.  
 Nixon, Ed. A.  
 Ochs, W. J.  
 O'Connell, W. H.  
 Oetzel, Henry  
 O'Hallaron, E.  
 Olson, N. Y. C.  
 O'Neil, J. J.  
 Owen, J. P.  
 Ottmer, Florenz  
 Peck, W. H.  
 Parker, W. W.  
 Pratt, Marcus M.  
 Quinlan, D. L.  
 Quinlan, J. D.  
 Raines, H. C.  
 Ratican, Joseph  
 Raub, T. C.  
 Raub, W. C.  
 Repp, Theodore  
 Rodemeyer, W. H.  
 Reid, J. E.  
 Reps, Otto  
 Reps, Louis  
 Reitler, Charles  
 Rhines, R. L.  
 Robinson, Jaunes  
 Rogan, M. T.  
 Rosenthal, B. A.  
 Roth, E. B.  
 Rourke, J. O.

## NAMES.

Rosemon, Frank  
 Roth, William  
 Reinsch, Ed. A.  
 Saenger, Abie  
 Sageborn, G. S.  
 Salomon, Ernst  
 Salzgeber, R.  
 Saymour, Ed.  
 Schmid, N. G.  
 Schunleding, W. H.  
 Schmitt, Emile J.  
 Schunberger, Henry  
 Schnute, Louis  
 Stinde, Richard R.  
 Schoenhardt, O. L.  
 Schoenhardt, Christ  
 Scholl, Chas. G.  
 Schroeder, Gustav  
 Seely, Alexander  
 Seever, William  
 Seidlitz, G. J.  
 Semple, W. H.  
 Shirley, H.  
 Silver, A. O. H.  
 Silverberg, Sam  
 Simpson, S. P.  
 Simpson, Thomas  
 Smith, Adolph  
 Smith, P. H.  
 Smythe, H. M.  
 Spahe, Ed. L.  
 Spiekerman, E.  
 Stohl, David  
 Stebbins, L. W.  
 Stewart, Joseph  
 Stark, J. C.  
 Staeder, John  
 Straub, W. C.

## NAMES

Streeter, W. D.  
 Stupp, George  
 Stupp, Peter  
 Suess, William  
 Sullivan, Pat  
 Sweeney, B. L.  
 Scully, John  
 Shannon, J. A.  
 Spahr, Walter  
 Squire, Augusta J.  
 Smith, Chas. A.  
 Scott, H. C.  
 Spengler, Henry  
 Schmitt, Ed.  
 Scott, H. C.  
 Strauss, A. T.  
 Strausbrey, J. L.  
 Sotus, John A.  
 Sheehan, Dennis  
 Shiele, Edwin S.  
 Tesson, Chas.  
 Tietye, Reinhold  
 Tobin, T. T.  
 Tolhurst, S. H.  
 Tolhurst, Chas.  
 Tonnellie, Theo.  
 Turner, Frank  
 Toldebusch, C.  
 Tuttle, W. F.  
 Umbach, Paul  
 Vaz, Joseph A.  
 Vieh, John W.  
 Vonderfetter, Frank  
 Volkening, Eddie  
 Wagner, H. K.  
 Weiss, J. S.  
 Wicker, Armand  
 Welsh, Michael

| NAMES              | NAMES.               |
|--------------------|----------------------|
| Wanzlick, Albert   | Wilner, Albert       |
| Woerner, Louis     | Woelfle, Mathias     |
| Werz, Fred         | Wueger, Ed.          |
| Werz, Charles      | Young, Arthur        |
| Whittle, Frank     | Zierenberg, Heinrich |
| Wiechmann, M. F.   | Zimlich, E. J.       |
| Williams, Elmer V. |                      |

### THE COURSE OF STUDY

in the Evening School includes the following subjects:

|                  |                  |
|------------------|------------------|
| German-English,  | Geometry,        |
| English-German,  | Trigonometry,    |
| English Grammar, | Nat. Philosophy. |
| Arithmetic,      | Drawing,         |
| Algebra,         | Book-keeping.    |

These are actually taught, and others are contemplated whenever any sufficient number of pupils desire them.

### THE TERM

has been fixed by the Board for five months, or eighty evenings; the sessions last from 7 to 9 o'clock, and are held on Monday, Tuesday, Thursday and Friday evenings. The school is open to all persons engaged in some useful employment during the day-time, who can pass the requisite examination in Arithmetic. The most advanced pupils from the Public Evening Schools are sent to the Polytechnic School for examination.

# V.-LAW SCHOOL.

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## FACULTY.

---

WM. G. ELIOT, D.D., *Chancellor.*

---

### PROFESSORS AND LECTURERS.

HON. SAMUEL TREAT, U. S. District Judge, East. Dist. of  
Missouri, *President of Law Faculty.*

HENRY HITCHCOCK, LL.D., *Provost of Law School.*

HON. ALBERT TODD.

HON. SAMUEL REBER, late Judge St. Louis Circuit Court.

HON. JOHN M. KRUM, late Judge St. Louis Circuit Court.

HON. GEORGE A. MADILL, late Judge of St. Louis Circuit  
Court.

HON. CHESTER H. KRUM, late Judge of St. Louis Circuit  
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JAS. O. BROADHEAD, Esq.      GEORGE W. CLINE, Esq.

ARBA N. CRANE, Esq.      LEVERETT BELL, Esq.

JAMES TAUSSIG, Esq.

## STUDENTS.

## SENIOR CLASS.

| NAMES.                      | RESIDENCE.                        |
|-----------------------------|-----------------------------------|
| Arnstein, Albert J.....     | St. Louis.....2730 Pine st.       |
| Balfour, Jefferson D.....   | Holly Springs, Miss.              |
| Block, George M.....        | St. Louis.....521 Olive st.       |
| Brodie, George Alexander..  | Little Rock, Ark.                 |
| Colcord, Frederick Ware...  | St. Louis.....2800 Morgan st.     |
| Davis, Albert C.....        | Cheltenham, 3501 Chest. st.       |
| Davis, Henry B.....         | Cheltenham, 3501 Chest. st.       |
| Farrar, William C.....      | St. Louis.....2733 Chestnut st.   |
| Finkelburg, William A...    | Fountain City, Wis.               |
| Fisse, William E.....       | St. Louis.....1823 S. Seventh st. |
| Fritch, Felix A.....        | St. Louis.....N. W. cor. Ninth    |
| Gilliam, Geo. T. Jr.....    | Kirkwood, Mo. [and Autumn sts.    |
| Guthrie, Oscar D.....       | Weston, Mo.                       |
| Hawken, Jacob G.....        | Kirkwood, Mo.                     |
| Hay, John.....              | Belleville, Ill.                  |
| Hogan, Thomas Stephen...    | St. Louis.....2704 Dayton st.     |
| Hornsby, Joseph Lewis....   | St. Louis, Mo.                    |
| Hook, William Cather.....   | Leavenworth, Kan.                 |
| Jecko, Steven.....          | St. Louis.....S. W. cor. Fifth    |
| Johnston, Fredric Calhoun.. | Washington, Mo. [& Market sts.    |
| Kane, Louis McLane.....     | Mascoutah, Ill.                   |
| Lane, Geo. Byron.....       | St. Louis.....2729 Morgan st.     |
| Le Bourgeois, J. Charles... | St. James Parish, La.             |
| Martin, Arthur.....         | Manannah, Minn.                   |
| Matson, John Welborne...    | Louisiana, Mo.                    |
| Noland, Chas. F.....        | St. Louis.....3148 Locust st.     |
| Pipkin, Merrill.....        | Windsor Harbor, Mo.               |
| Rogers, Louis Benjamin...   | Solomon City, Kan.                |
| Roeder, John B.....         | St. Louis.....504 Doreas st.      |
| Romain, Emil Ferdinand...   | St. Louis.....1429 Carondelet av. |

| NAMES.                      | RESIDENCE.                       |
|-----------------------------|----------------------------------|
| Rueppel, Herman E.....      | St. Louis.....1223 Dolman st.    |
| Schuermacher, Benjamin...   | St. Louis.....1314 S. Fifth st.  |
| Sherman, Gordon E.....      | St. Louis.....2623 Locust st.    |
| Sherman, Thomas Ewing...    | St. Louis.....912 Garrison av.   |
| Tutt, Samuel .....          | Kirkwood, Mo.                    |
| Watts, Millard Fillmore.... | St. Louis.....1803 Washing'n av. |
|                             | Total, 36.                       |

## JUNIOR CLASS.

|                             |                                  |
|-----------------------------|----------------------------------|
| Bakewell, Paul.....         | St. Louis.....2734 Clark av.     |
| Barnett, James D .....      | Montgomery, Mo., Seventeenth and |
| Benton, Thomas Hart.....    | Cedar Rapids, Ia. [Washing'n av. |
| Bullock, Geo. W.....        | Detroit, Mich.                   |
| Card, John B.....           | St. Louis.....917 Labaum st.     |
| Clover, Ashley C.....       | St. Louis.....                   |
| Farrar, John R.....         | St. Louis.....                   |
| Forbush, William C.....     | Grafton, Mass.                   |
| Hanley, Frank M.....        | Central, St. Louis Co., Mo.      |
| Herzinger, Geo. P.....      | Fredericktown, Mo.               |
| Herbal, Henry Gratz .....   | Carondelet, Mo.                  |
| Hill, Edwin W.....          | St. Louis.....511 Chestnut st.   |
| Horton, Hiter H.....        | Milwaukee, Wis.                  |
| Houston, Samuel.....        | Houston, Texas.                  |
| Kohn, Geo. Hermann.....     | St. Louis.....1607 Papin st.     |
| Kneffner, Otto Geo. Fred... | Belleville, Ill.                 |
| Krenbs, Herman J.....       | St. Louis.....622 Park av.       |
| Lawrence, Frank.....        | St. Louis.....2707 Thomas st.    |
| Maeklin, William P .....    | St. Louis.....                   |
| McClellan, Henry Sharp....  | St. Louis.....3428 Morgan st.    |
| Mott, Frederick Webster...  | Carondelet, Mo.                  |
| Nichols, Robert Matthew...  | Kirkwood, Mo.                    |
| Pauley, John W.....         | St. Louis.....530 Sidney st.     |
| Priest, James Edwin.....    | Hannibal, Mo.                    |
| Reaser, E. N.....           | St. Louis.....2120 Clark av.     |
| Reynolds, Mathew Givens..   | Bowling, Green, Mo.              |
| Ritzdorf, August William..  | St. Louis.....507 Park av.       |
| Rogers, William Otley.....  | St. Charles, Mo.                 |

| NAMES.                               | RESIDENCE.                            |
|--------------------------------------|---------------------------------------|
| Ryan, Martin T . . . . .             | St. Louis . . . . . 1415 Lucas av.    |
| Sanders, Henry LeFevre . . . . .     | Wilmington, Del., 820 Washington      |
| Savage, Egbert B. . . . .            | Cleveland, O. [Avenue.                |
| Schaller, Albert . . . . .           | Hastings, Minn.                       |
| Stevenson, John C. H. . . . .        | St. Louis.                            |
| Steele, Wm. D. . . . .               | Windsor, Mo.                          |
| Stone, William Howard . . . . .      | St. Louis . . . . . 718 S. Eighth st. |
| Wash, Benjamin S . . . . .           | St. Louis . . . . . 2609 N. Tenth st. |
| Whiteside, Hugh . . . . .            | Chattanooga, Tenn.                    |
| Wilkinson, Sam'l Granville . . . . . | Boles P. O., Franklin Co., Mo.        |
| Worthington, Thomas . . . . .        | St. Louis . . . . . 3203 Price st.    |
| Wright, Henry Herbert . . . . .      | St. Louis . . . . . 1802 Olive st.    |
|                                      | Total, 40.                            |

The Law School of the University (also known as the *St. Louis Law School*) was formally opened on Wednesday, 16th October, 1867, on which occasion an Inaugural Discourse was delivered by Hon. Samuel Treat.

It was believed that the establishment of such a School was not only part of the necessary development of the University, but peculiarly appropriate in a great and growing city, offering in the number, variety, and importance of the questions daily adjudicated in its tribunals, unsurpassed advantages for combining practical instruction with theoretic study of the law. During nine months in the year, besides the ordinary municipal and inferior courts, are in almost uninterrupted session the Circuit and District Courts of the United States, taking cognizance of questions in Admiralty, Revenue, and Bankrupt Law, besides causes at Common Law and in Equity; also the State, Circuit and Criminal Courts, and the St. Louis Court of Appeals; in one or other of which are constantly illustrated the learning and practice of every department of American jurisprudence.

The experience of ten years of rapid and gratifying progress abundantly justifies this opinion. The largely increased advantages which, through the generous aid of its friends, the Law School is enabled to present, give promise of still greater efficiency in the future.

## COURSE OF STUDY.

The course of study is designed to prepare young men, to a degree far above the ordinary standard of admission to the bar, for the practice of the profession. It embraces instruction in the principles of *Constitutional* and *Admiralty* Law, the Jurisdiction and Practice of United States Courts, *Real Property* Law, (including a special course of lectures on Conveyancing), *Equity Jurisprudence*, *Evidence*, *Pleading and Practice* (at Common Law, in Equity, and under the Code) *Mercantile Law and Contracts*, Corporations, *Insurance*, Domestic Relations, *Torts*, and some elements of Criminal Jurisprudence.

All the members of the Faculty have long been, and now are, engaged on the Bench or at the Bar in the daily application of legal principles; thus securing that fresh and familiar acquaintance with the art and science of Law in the latest phases of professional and judicial inquiry, which should best qualify them for their duties as instructors.

Instruction is given by daily examinations upon assigned portions of standard treatises, as well as by lectures upon practical topics. Experience fully confirms the superiority of the former as the best method of testing the student's actual acquirements, while encouraging the thorough discussion of principles. The Faculty proper will have, as heretofore, the valuable co-operation of the Advisory Board, and other eminent members of the Bench and Bar, who will deliver occasional lectures upon special subjects.

Moot Courts are regularly held every week during the term by the Professors successively, for practice in the conduct of causes and discussion of legal principles. Each student is required in his turn to act as counsel and to prepare briefs.

The Law Library, for use of which no extra charge is made, has been increased by generous donations during the past year to upwards of 3,000 volumes, selected with great care, and including more than two hundred extra copies of the text-books in use. The spacious and convenient Library Room, assigned for the Law School in the University building, is reserved for their exclusive occupation, and is open to students throughout every day and evening, except on Sunday.

The full course includes two annual terms, each of six months, *beginning on the second Wednesday in October*, of each year, and excluding the Christmas recess of two weeks. The annual examination of the Senior Class for degrees is held during the first week in May, immediately following which is the Law Commencement. This examination is conducted chiefly upon printed questions, covering the entire course of study, *exclusively by members of the Advisory and Examining Board*, and is intended to test severely, though impartially, the acquirements of the candidates. Only upon the written recommendation of the Examiners will a degree be granted by the University.

### SCHOLARSHIPS—PRIZE ESSAY.

In pursuance of the terms of a donation of \$6,000, recently made to the University for the benefit of the Law School, *six free scholarships*, for young men in straitened circumstances, are established in this department; also an annual prize of \$50 in money for the best thesis upon some legal topic, to be publicly awarded at the Law Commencement.

Three of these scholarships are in the Senior and three in the Junior Class: candidates for the former must "pass a strict examination upon all the studies of the preceding Junior year."

Applicants for the free scholarships in the Law School should apply to the Provost or Dean on or before the 15th day of September, and present to him written testimonials of at least two persons to the satisfaction of the Faculty—

1. That the circumstances of the applicant are such as to make him deserving of this assistance.

2. That the applicant is of good character and standing.

The applicant must have a good English education, and the certificate of Professor SNOW, of the College, to this effect will be required.

Applicants for the Senior Scholarships, in addition to the above, will be required to pass a strict examination upon all the studies of the preceding Junior year.

As the applicants for scholarship are usually far in excess of the number that can be given, no student will hereafter have the benefit of a scholarship for more than one term.

Competition for the prize referred to is confined to the members of the graduating class in each year, under regulations announced at the opening of the term.

### TEXT-BOOKS. TERMS OF ADMISSION. ETC.

The following text-books will be used by the Junior Class during 1877-'78:

Blackstone's Commentaries (Sharswood), Books, I. II. III: Benedict's Admiralty, Bispham's Principles of Equity, Washburn on Real Property, vol. I; Greenleaf on Evidence, Metcalf on Contracts, Story on Bills, Addison on Torts (abr.)

Applicants for admission to the Senior Class, will be required to pass a satisfactory examination on the foregoing works or their equivalents before the beginning of the term, and should apply in person, before the first week in October, to the Provost or Dean.

The Senior Class will use the following:—Phillips' Insurance, Story's Equity Pleadings, Washburn on Real Property, Stephen's and Chitty's Pleading, Vol. 1; Benjamin on Sales, Am. Ed.; Story on Promissory Notes, Story on Bailments.

It is not absolutely necessary for students to purchase text-books, as they have access to the library; but as books cannot be taken from the library, it is deemed advisable that they should provide themselves with the text books, if their means will permit. The expense of books for the Junior year is about \$50, and for the Senior about the same.

Applicants for admission to the Junior Class *must be at least nineteen years of age*, and applicants for either class must furnish evidence of good moral character and standing, and of having received a good English education. No student will be admitted to either class after the opening of the term, except upon passing satisfactory examination in the studies previously pursued by such class; nor in any case after the Christmas recess. *No reduction will be made from the term fee, nor any part of it returned, for absence from any cause. Class tickets are in no case transferable.*

Applicants for the degree of LL.B., must announce themselves as such to the Dean before the first day of February, also

proposing a subject for a thesis, which, being approved, they must deposit with him an original thesis upon such subject, by or before the first day of April. As the degree of LL.B. conferred by this University entitles the holder to admission to the bar of the State and U. S. Courts, it will not be granted except upon the most satisfactory evidence of actual proficiency and fitness, *nor to any person under twenty-one years of age.*

#### TUITION.

The term fee for attendance in either class will be \$50. payable in every case in advance, to S. A. RANLETT, Treasurer of the University, at the Provident Savings Institution, 513 Olive street. There are no extra charges.

Good board and lodging can be readily obtained in the city at from \$25 to \$35 per month.

## SUMMARY.

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## LIST OF GRADUATES.

### GRADUATES IN ARTS.

[The following list contains all who received the degree of *Bachelor of Arts*, in the year named. Those who have since received the degree of *Master of Arts* are so marked. Those marked thus (\*) have died since graduation.]

1862.

HENRY MARTIN ANDERSON.  
CHARLES BRANCH, A.M.,  
HENRY BRANCH, A.M.,  
REGIS CHAUVENET, A.M., B.S., 1867.  
THOMAS LAMB ELIOT, A.M.

1863.

\*JOHN PIERRE COLLIER. Dec. 31, 1876.  
JOHN TILDEN DAVIS.  
WILLIAM RHIND DONALDSON.  
HENRY WARE ELIOT.  
OSCAR WILLIAM GAUSS.  
NATHANIEL GRAY SMITH HART.  
CHESTER HARDING KRUM.  
THOMAS KEITH SKINKER.  
\*JAMES STATTIS WATERS. Feb. 28, 1869.

1864.

GEORGE WEBBER CUTTER, A.M.,  
CHARLES EDWARD ILLSLEY, A.M.,  
JOHN HERAN KERCHEVAL.  
JOHN GEORGE DAVID KNIGHT, A.M.,  
WILLIAM ELIOT SMITH, A.M.

1865.

HENRY GARDINER BLAKE.  
FREDERICK JULIUS CASTLEHUN, A.M.,  
WILLIAM T. GLASGOW.

1866.

\*THOMAS FASSETT COLLIER. July 15, 1868.

\*CHARLES FLETCHER HAZARD. Dec. 2, 1877.

JOSEPH NORWOOD LITTON.

CHARLES ALONZO TODD. A. M.

1867.

HUGH CAMPBELL, JR.,

ALEXANDER GILL DONALDSON.

GEORGE JULIUS ENGELMANN. A. M.

1868.

LEWIS JACOB RLOCK. A. M.

FREDERICK MORGAN CRUNDEN. A. M.

HARVEY HALE DELANO.

SAMUEL GEORGE FENBY.

1869.

VERNON WESLEY KNAPP.

CHARLES MANNING LITTON.

FRANK CHARLTON STONE.

1870.

EDWARD EVERS.

DAVID ROWLAND FRANCIS.

DAVID GOLDSMITH.

GEORGE WASHINGTON TAUSSIG. LL.B., 1872.

LOUIS WILLIAM TEUTERBERG.

FRED. AUGUSTUS WISLIZENUS. LL.B., 1872.

1871.

GEORGE WILSON BELCHER.

SAMUEL HEMPLE CHAUVENET.

JOHN WILLIAM HOUGH.

HENRY WILLIAM THIELE. A. M.

1872.

ELIOT CONWAY JEWETT. C. E., 1874.

LYNE SHACKLEFORD METCALFE. JR.,

WILLIAM FRANCIS PATRICK. E. M., 1874.

MARTIN HAYWOOD POST.

ADOLPH MAX SCHEEL.

1873.

WILLIAM JAMES SAMUEL BRYAN.  
WILLIAM SAMUEL CURTIS,  
JOHN WEBSTER SPARGO.

1874.

ED. MONROE BOWMAN, LL.B., 1876.  
AZBY AUGUSTUS CHOUTEAU, LL.B., 1877.  
FRED. ERNEST D'OENCH.  
FRED. BERTHOLD EWING.  
\*LUTHER KENNETT FARRAR, Oct. 9, 1874.  
WILLIAM RIDG SCHUYLER, A.M.,  
GEORGE LINCOLN STEVENS.

1875.

WILLIAM ELIOT CONZELMAN, E.M., 1876.  
PAUL FELIX COSTE.  
ALLEN CUTHBERT GLASGOW.  
FRANK ADAMS GLASGOW.

1876.

GEORGE MOREY BARTLETT.  
BEN BLEWETT.  
ALBERT STARR BURLINGHAM, A.B., 1877.  
CHRISTOPHER RHODES ELIOT.  
EDMUND ARTHUR ENGLER, B.Ph., 1877.  
WILLIAM CHRISTY FARRAR.  
ADA CALISTA FISHER.  
MARY JOSEPHINE RYCHLICKI.  
ALBERT ERASTUS SANDERSON.

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GRADUATES IN POLYTECHNIC SCHOOL.

1866.

EDWARD SINGLETON HOLDEN, B.S.

1867.

REGIS CHAUVENET, A.M., B.S.

1870.

THOMAS JEFFERSON CALDWELL, C.E., 1871.  
EUGENE HENRY JONES, C.E., 1871.

1871.

WILLIAM FRANCIS KIRCHER, C.E.,  
RUDOLPH RITTER, C.E.,  
ELLIOTT HINCKLEY WILSON, C.E.

1872.

EMILE RECTOR ABADIE, C.E.,  
RUFUS JUDAH DELANO, C.E.,  
ALBERT FRED. D'OENCH, E.M.

1873.

ROBERT ABELES, C.E.,  
ADOLPHUS LOVINGSTON, C.E.,  
HUBERT TAUSSIG, C.E.

1874.

WINTHROP BARTLETT, C.E.,  
HENRY W. DOUGLASS, C.E.,  
MINARD L. HOLMAN, C.E.,  
FRANK HOTCHKISS, C.E.,  
ELIOT CONWAY JEWETT, A.B., C.E.,  
WILLIAM FRANCIS PATRICK, A.B., E.M.

1875.

GEORGE DARRAH BROOKE, C.E.,  
GEORGE BURNET, Jr., C.E.,  
MICHAEL FRANCIS HEALY, B.S.,  
JOHN O. HOLMAN, C.E.,  
JAMES D. MCKEE, C.E.,  
CHARLES M. MORSE, E.M.

1876.

SAMUEL ALEXANDER BARRON, E.M.,  
WILLIAM ELIOT CONZELMAN, A.B., E.M.,  
JACOB FRIEDMAN, Chemist,  
HERMAN MEISTER, E.M.,  
VICTOR C. ROEDER, B.S.

1877.

EDMUND ARTHUR ENGLER, A.B., B.Ph.,  
VICTOR RUTLEGDE GIBSON, E.M.,  
GUSTAV MULLER, C.E.,  
GEORGE HERNDON PEGRAM, C.E.,  
EDGAR TIFFEN SMITH, C.E.

## GRADUATES IN LAW.

1869.

M. DWIGHT COLLIER,  
DANIEL DILLON,  
JAMES S. GARLAND,  
WILLIAM E. HALL,  
JOHN H. NICHOLSON,  
JOHN P. PLAYER,  
GIFFORD S. ROBINSON,  
CHARLES H. SEE,  
PHILIP SUTHERLIN,  
PETER J. TAAFE,  
JOSEPH T. TATUM,

1870.

EDWIN F. BAYLEY,  
LEWIS E. BEACH,  
NATHANIEL C. DRYDEN,  
EDWARD P. McCARTY,  
WILLIAM F. MARSH,  
OTTO W. MYSENBERG,  
RICHARD H. NORTON,  
ALFRED A. PAXSON,  
WILLIAM T. RICHMOND.

1871.

PHEBE W. COUZINS,  
ALEX. N. DEMENIL,  
SILAS W. DOOLEY,  
HENRY C. HART, JR.,  
HENRY C. HOGG,  
WM. T. HOUSTON,  
FRED. N. JUDSON,  
WM. C. KUEFFEN,  
FOSTER T. MARTIN,  
DAVID MURPHY,  
WILLARD A. SMITH,  
WM. H. H. WINFIELD.

1872.

WALTER L. CHURCH,  
HENRY I. D'ARCY,

DAVID GOLDSMITH,  
JOHN J. McCANN,  
JOHN L. MAXWELL,  
HENRY E. MILLS,  
CHARLES NAGEL,  
ALBERT NIGGEMAN,  
HENRY O'GORMAN,  
THOMAS J. ROWE,  
LEANDER J. SMITH,  
MICHAEL J. SULLIVAN,  
GEORGE W. TAUSSIG,  
EUGENE C. TITTMAN,  
FREDERIC A. WISLIZENUS.

1873.

JAMES L. CARLISLE,  
IRENÆUS D. FOULON,  
BENJAMIN F. HEDGES,  
J. LINN LADD,  
MICHAEL J. MURPHY,  
JOHN F. O'ROURKE,  
BARNETT W. PRESCOTT,  
CHARLES G. SINGLETON,  
CHARLES E. STARR,  
CHARLES F. W. DASSLER,  
EDWARD L. GOTTSCHALK,  
THEODORE HUNT,  
HUGO MUENCH,  
SIMON OBERMEYER.  
JAMES M. PEARSON,  
HENRY CLAY RILEY,  
WILLIAM C. SMITH,  
HENRY M. TALLMAN.

1874.

AMBROSE D. COUNTRYMAN.  
JOHN D. DAVIS,  
FRANK HICKS,  
CHRISTIAN KOERNER,  
F. L. LINTON,  
J. B. McHOSE,  
CHARLES NEWMAN.

JOHN J. NOELL,  
FRANK W. PEEBLES:

1875.

B. F. CLARK,  
WILL. F. EDGAR,  
FRANK F. ESPENCHIED,  
FRANKLIN B. FERRIS,  
R. M. FOSTER,  
J. HAYWARD.  
A. D. JAMESON.  
E. C. McDOWELL,  
WM. L. MURFREE, JR.,  
A. H. PARKER,  
JAMES S. REBER,  
JOHN C. RICHARDSON,  
OTIS W. SCARBOROUGH,  
G. A. SCHUTTE,  
C. M. SWITZER,  
W. H. WARNOCK.  
JEAN F. WEBB,

1876.

WILLIAM BELL BAILEY,  
WM. LEBRECHT BEYERSDORF,  
EDWARD MONROE BOWMAN,  
ZENO BLANKS CLARDY,  
FREDERICK ADDISON CLINE,  
JOHN RAYMOND CUMMINGS,  
WILLIAM SAMUEL CURTIS,  
JAMES PARISH DAWSON,  
WIRT WHEELER ELLIS,  
HENRY DODGE ESTABROOK,  
FRANK FIELD.  
CHARLES JOSEPH HARRIS,  
MERRIFIELD WILLIAM HUFF,  
JOHN WILLIAM McELHENNY,  
DANA MANSFIELD,  
THOMAS ALOYSIUS RICE,  
WILLIAM LOYD STEWART,  
LOUIS REUBEN TATUM.  
JAY LINN TORREY.

1877.

CHARLES CLAFLIN ALLEN,  
GIDEON DAVIS BANTZ,  
SAMUEL ADDISON BOWLES,  
LOUIS CHAUVENET,  
ARTHUR WALLACE CHAMBERLAIN,  
AZBY AUGUSTUS CHOUTEAU,  
PAUL FELIX COSTE,  
ERNEST DAVIS,  
GEORGE M. FORSTER.  
RICHARD S. HALL.  
MICHAEL FRANCIS HEALY,  
EDWARD P. LINDLEY,  
JAMES PATRICK MAGINN,  
ANDREW PRICE,  
BENJAMIN F. REX,  
LORENZO RICHMOND,  
ELIJAH E. STONE.  
ROBERT TEMPLETON STILLWELL.  
WILLIAM BERNARD TEASDALE.  
WILLIAM F. WERNSE,  
ARCHELAUS M. WOODSON.

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## ALUMNI ASSOCIATION.

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In the spring of 1877, the graduates of the Law School formed a society, whose membership now embraces about one-third of the graduates of the Law Department. This society is known as the ST. LOUIS LAW SCHOOL ALUMNI ASSOCIATION, and was organized by the election of the following officers:

*President*—M. Dwight Collier—'69.

*Vice-Presidents*—Phœbe W. Couzins, '71; Franklin Ferris, '75.

*Secretary*—Merrifield W. Huff, '76.

*Treasurer*—George M. Forster, '77.

*Executive Committee*—Daniel Dillon, '69; William S. Curtis, '76; F. A. Cline, '76; Hugo Muench, '73; John D. Davis, '74.

Preston Player ('69) was selected to deliver the Annual Address of 1878.

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DEMCO

